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Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

At December 31

1984

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At December 31

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ENERGY RESOURCES CONSERVATION BOARD
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* 1985 editions pending

ISSN 0706-3199

Twenty-fourth edition

Published by:

Energy Resources Conservation Board
640 Fifth Avenue SW
Calgary, Alberta
T2P 3G4

Telephone (403) 297-8311

Telex 03-821717

Price: $50

HIGHLIGHTS

RESERVES	1984	1983	Change
Conventional crude oil			
Remaining established (10^6 m^3)	641	658	-17
Initial established (10^6 m^3)	2 059	2 017	+42
Synthetic crude oil (Developed)[a]			
Remaining established (10^6 m^3)	218	226	- 8
Initial established (10^6 m^3)	291	291	-
Natural gas[b]			
Remaining established			
Volume (10^{12} m^3)	1.87	1.90	-0.03
Energy (10^{18} J)	70.02	71.01	-0.99
Initial established			
Volume (10^{12} m^3)	3.08	3.04	+0.04
Energy (10^{18} J)	115.34	113.62	+1.72
PRODUCTION			
Conventional crude oil (10^6 m^3)	59.0	56.0	+3.0
Synthetic crude oil (10^6 m^3)	8.0	9.0	-1.0
Natural gas[c]			
Volumes (10^9 m^3)	68.3	66.0	+2.3

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[a] Reserves associated with commercial oil sands mining projects.

[b] Volumes are on a 37.4-megajoule-per-cubic-metre basis (equivalent to 1000 Btu per cubic foot).

[c] The official net production of natural gas is reported in ERCB ST 85-17 (see chapter 4, section 4.7 of this report).

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PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; and includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1984. The information in Tables 2-4 and 4-5 and more detailed information on the reserves of gas pools are available on magnetic tape. The gas-reserve details will be also available in a 4-volume report in photoreduced form (ERCB ST 85-35).

Another annual report, "Alberta's Energy Resources: A Summary", will be available shortly. It expresses the reserves and ultimate potential in both their usual volumetric units and in the heating-value equivalent. The total heating-value equivalent for each resource is also presented, along with summary information on production, disposition, and life indices for 1984.

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

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3	W. A. Mayer, Oil Sands	297-8576
5, 6, and 7	L. D. Holizki, Gas	297-8502

1 TERMINOLOGY

1.1 SI UNITS

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius) = 35.493 73 cubic feet (14.65 psia and 60° Fahrenheit)

1 cubic metre of ethane (equilibrium pressure and 15° Celsius) = 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of ethane gas (101.325 kilopascals and 15° Celsius) = 0.003 55 cubic metres of ethane liquid

1 cubic metre of butanes (equilibrium pressure and 15° Celsius) = 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of propane (equilibrium pressure and 15° Celsius) = 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius) = 6.292 9 Canadian barrels (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of water (equilibrium pressure and 15° Celsius) = 6.290 1 Canadian barrels (equilibrium pressure and 60° Fahrenheit)

1 tonne = 0.984 206 4 (U.K.) long tons (2240 pounds)

1 tonne = 1.102 311 short tons (2000 pounds)

1 kilojoule = 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°-61° Fahrenheit))

1.2 RESERVES TERMINOLOGY

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

1 Initial Volume in Place: The gross volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.

2 Established Reserves: Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.

3 Initial Established Reserves: Established reserves prior to the deduction of any production.

4 Remaining Established Reserves: Initial established reserves less cumulative production.

5 Ultimate Potential: An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

Ultimate potential = initial established reserves
+ additions to existing pools
+ future discoveries.

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 DEFINITIONS OF OTHER TERMS

Area	The area used to determine the bulk rock volume of the oil-, oil sands-, or gas-bearing reservoir - usually the area of the zero isopach or the assigned area of a pool, zone, or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus. (Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors developed by Robinson et al[1] or Wichert and Aziz[2].
Condensate	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(d.1))
Crude Bitumen	A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well. (Oil Sands Conservation Act, section 1(1)(c))

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[1] Robinson, D. B., C. A. Macrygeorgos, and G. W. Govier, 1960. The Volumetric Behaviour of Natural Gases Containing Hydrogen Sulphide and Carbon Dioxide. Trans, AIME, 219, 54.

[2] Wichert, E. and K. Aziz, 1972. Calculate Z's for Sour Gases. Hydrocarbon Processing, 51, 119-122.

Crude Oil (Conventional)	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(f.1))
Crude Oil (Heavy)	Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m^3 or more, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. (Oil and Gas Conservation Regulation 10.030)
Crude Oil (Light-medium)	Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m^3, but the Board in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. The light-medium classification is synonymous with the light classification referred to in ERCB Report 85-A, Alberta Oil Supply, 1985-2010.
Crude Oil (Synthetic)	A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived. (Oil and Gas Conservation Act, section 1(1)(t.1))
Density	The mass or amount of matter per unit volume.
Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which commercial quantities of oil or gas in a pool or zone were first recognized by the Board.

Ethane	In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane. (Oil and Gas Conservation Act, section 1(1)(h.1))
Gas	Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(j.1))
Gas (Associated)	Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.
Gas (Marketable)	A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material. (Oil and Gas Conservation Act, section 1(1)(m))
Gas (Marketable) (at 101.325 kPa and 15°C)	The equivalent volume of marketable gas at standard conditions.
Gas (Non-associated)	Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.
Gas (Raw)	A mixture containing methane, other paraffinic hydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(s.1))
Gas (Solution)	Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.

Gas-Oil Ratio (Initial Solution)	The volume of gas - in cubic metres, measured under standard conditions - contained in one stock-tank cubic metre of oil under initial reservoir conditions.
Good Production Practice (GPP)	Production of crude oil or raw gas at a rate (i) not governed by a base allowable, but (ii) limited to what can be produced without adversely and significantly affecting conservation, the prevention of waste, or the opportunity of each owner in the pool to obtain his share of production. (Oil and Gas Conservation Regulation 1.020(2)9) This is a classification of pools used by the Board either to improve the economics of production and thus defer the abandonment of a pool, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.
Gross Heating Value	The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.
Helium	In addition to its normal scientific meaning, a mixture mainly of helium which ordinarily may contain some nitrogen and methane. (Oil and Gas Conservation Act, section 1(1)(k))
Maximum Efficient Rate (MER)	The maximum efficient rate at which oil can be produced without avoidable underground waste.
Maximum Rate Limitation (MRL)	The maximum rate of production prescribed for the avoidance of waste, after application of any applicable penalty factor.
Mean Formational Depth	The approximate depth below kelly bushing of the mid-point of an oil or gas productive zone for wells in a pool.
Methane	In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide. (Oil and Gas Conservation Act, section 1(1)(m.1))

Natural Gas Liquids	Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(n))
Oil	Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(n.1))
Oil Sands	(i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii). (Oil Sands Conservation Act, Section 1(1)(n)).
Oil Sands Deposit	A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(o.1))
Pay Thickness (Average)	The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by the area.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil. (Oil and Gas Conservation Act, section 1(1)(p))
Pool	A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(q))

Porosity	The effective pore space of the rock volume determined from core analysis and well log data.
Pressure (Initial)	The reservoir pressure at the reference elevation of a pool upon discovery.
Propane	In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes. (Oil and Gas Conservation Act, section 1(1)(s))
Recovery (Enhanced)	Recovery of oil, gas, or natural gas liquids by the implementation of an artificially improved depletion process over a part or the whole of a pool, measured as a volume or fraction; the additional oil, gas, or natural gas liquids so recovered. (see Oil and Gas Conservation Act, section 1(1)(h))
Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only; measured as a volume or fraction of the oil so recovered.
Saturation (Gas)	A measure of the extent to which pore space in the rock is occupied by gas upon discovery.
Saturation (Water)	A measure of the extent to which pore space in the rock is occupied by water upon discovery.
Shrinkage Factor	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, as a ratio of the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	The fraction of recoverable gas that is removed as acid gas and liquid hydrocarbons and used as lease or plant fuel, or flared.

Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone. (Oil and Gas Conservation Act, section 1(1)(z))

1.4 STANDARD CONDITIONS OF GAS MEASUREMENT

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 SYMBOLS

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius
d	day
ha	hectare
J	joule
kg	kilogram
kPa	kilopascal
M	mega
m	metre
mol	mole
T	tera
t	tonne

Imperial

bbl	barrel
Btu	British thermal unit
cf	cubic foot
d	day
°F	degree Fahrenheit
psia	pounds per square inch absolute
psig	pounds per square inch gauge
RF	recovery factor
stb	stock-tank barrel

1.6 ABBREVIATIONS

General Report

GIP	gas in place
GPP	good production practice
MER	maximum efficient rate
MRL	maximum rate limitation
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ASSOC	associated gas
ADMIN 2	Administrative Area No. 2
BER	beyond economic reach
BLSKY	Bluesky
BR	Belly River
BOW ISL	Bow Island
CARD	Cardium
CDM	Cadomin
CLY	Colony
COMP	compressibility
ELRSL	Ellerslie
ERSO	enhanced-recovery scheme is in operation but no additional established reserves are attributed
GLAUC	Glauconitic
INJ	injected
I.S.	integrated scheme
LF	load factor
LOC EX PROJECT	local experimental project
LOC U	local utility
L	lower
MCM	McMurray
MED HAT	Medicine Hat
M	middle
MILK RIV	Milk River
MOP	maximum operating pressure
NGL	natural gas liquids
NON-ASSOC	non-associated gas
PREV CONF	previously confidential
RF	recovery factor

ST. ED	St. Edouard
SD	sandstone
SOLN	solution gas
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System - commingled
SL	surface loss
SUSP	suspended
TEMP	temperature
U	upper
VIK	Viking
VOL	volume
WTR DISP	water disposal
WTR INJ	water injection
2WS	Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

A&S	Alberta and Southern Gas Co. Ltd.
BAROID	Baroid of Canada, Limited
BRL	Brascan Resources Limited
CANSALT	The Canadian Salt Company Limited
CFB,CL	Canadian Forces Base at Cold Lake
CIL	Canadian Industries Limited
CMG	Canadian-Montana Gas Company Limited
CTYMEDH	City of Medicine Hat
CNG	Consolidated Natural Gas Limited
CUE	Canadian Utilities Ethane Limited
CUL	Canadian Utilities Limited
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
KANNGAZ	KannGaz Producers Ltd.
MIP	Many Islands Pipe Lines Ltd.
NCO	North Canadian Oils Limited
NORCEN	Norcen Energy Resources Limited
PANALTA	Pan-Alberta Gas Ltd.
PROGAS	ProGas Limited
PRTC	Peace River Transmission Company Limited
PWGE	Plains-Western Gas & Electric Co. Ltd.
SAPL	Southern Alberta Pipe Lines Ltd.
SLPETRO	Sulpetro Limited
SOQUIP	Societe quebecoise d'initiatives petrolieres
SUNCOR	Suncor Inc.
SYNCRDE	Syncrude Canada Ltd.
TCPL	TransCanada PipeLines Limited
TUC	TransAlta Utilities Corporation
WCOAST	Westcoast Transmission Company Limited

2 CONVENTIONAL CRUDE OIL RESERVES

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 641 million cubic metres at year-end 1984. This is a decrease of some 17 million cubic metres and resulted mainly from the reassessment of several enhanced-recovery pools. The initial established reserves attributed to 1984 pool discoveries were up slightly over 1983.

The changes in reserves for light-medium and heavy crude oil during 1984 are shown below.

	1984	1983	Change
	10^6 m^3		
Initial Established Reserves			
Light-Medium	1 942	1 909	+ 34[a]
Heavy	116	108	+ 8
Total	2 059	2 017	+ 42
	(12 956)[b]	(12 691)[b]	
Cumulative Production			
Light-Medium	1 344	1 290	+ 54
Heavy	74	69	+ 5
Total	1 418	1 359	+ 59
Remaining Established Reserves			
Light-Medium	598	618	- 20
Heavy	43	40	+ 3
Total	641	658	- 17
	(4 032)[b]	(4 140)[b]	

---

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

The increase in initial established reserves comprised 29.1 million cubic metres attributed to new pools discovered, an overall decrease of 12.0 million from the reassessment or expansion of the reserves of some 550 primary depletion and enhanced-recovery pools, and 24.1 million added by the commencement of enhanced-recovery schemes.

Listed below are those light-medium pools for which a change of more than 1 000 000 cubic metres in initial established reserves was made during 1984.

	Initial Established Reserves		
Pool	1984	Change	Main Reasons for Change
	10^3 m^3		
Drumheller D-2 B	2 880	+ 1 240	Reassessment of initial volume in place and pool recovery factor
Kaybob South Triassic A	16 000	+ 2 100	Reassessment of pool recovery factor
Nipisi Gilwood A	50 700	+ 2 500	Reassessment and enhanced recovery recognition
Rainbow Keg River B	30 800	+ 10 100	Reassessment and enhanced recovery recognition
Swan Hills Beaverhill Lake A&B	103 000	- 24 000	Reassessment and enhanced recovery recognition
Valhalla Doe Creek I	2 970	+ 1 650	Reassessment of initial volume in place

Some 16 other major light-medium oil pools had changes in initial established reserves of between 100 000 and 1 000 000 cubic metres resulting in a net increase of 2 296 000 cubic metres in initial established reserves.

Listed below are those heavy oil pools for which a change of more than 250 000 cubic metres in initial established reserves was made during 1984.

Pool	Initial Established Reserves 1984 10³ m³	Initial Established Reserves Change	Main Reasons for Change
Bantry Mannville D	925.0	- 325.0	Reassessment of initial volume in place and pool recovery factor
Grand Forks Lower Mannville E	1 530.0	+ 830.0	Reassessment of initial volume in place and pool recovery factor
Grand Forks Lower Mannville II	968.0	+ 358.0	Enhanced recovery recognition
Hayter Dina A	796.0	+ 509.0	Reassessment and enhanced recovery recognition
Hayter Dina B	646.0	+ 306.0	Reassessment - New wells added
Lloydminster Sparky & General Petroleum C&D	4 120.0	+ 490.0	Reassessment of initial volume in place and pool recovery factor
Taber North Glauconitic A	2 800.0	+ 1 000.0	Reassessment of initial volume in place and pool recovery factor
Wainwright Wainwright & Sparky A	11 400.0	+ 600.0	Reassessment and enhanced recovery recognition

Some 19 other major heavy oil pools had changes in initial established reserves of between 50 000 and 250 000 cubic metres resulting in a net increase of 1 663 000 cubic metres in initial established reserves.

Also during 1984, the conventional heavy crude oil reserves within the Lindbergh Field were reclassified as crude bitumen reserves and are now included in Section 3 of this report.

The Board's estimates of reserves for 1984 are summarized by crude-oil types and recovery mechanisms in Table 2-1, by geological period and crude-oil type in Table 2-2, and by geological formation in Table 2-3. These historical data assist in estimating future crude-oil potential as discussed in Section 8.

Table 2-4, subdivided into light-medium and heavy crude oil, lists the reserves and reservoir factors to year-end 1984 for each designated non-confidential crude-oil pool in Alberta.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-4. The approximate location of each field is shown immediately following the field name in Table 2-4.

TABLE 2-1 SUMMARY OF RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS
As At 31 December 1984

	1	2	3	4	5	6	7
Crude-Oil Type and Recovery Mechanism	Initial Volume in Place	Initial Primary Established Reserves	Average Primary Recovery	Initial Enhanced Established Reserves	Average Enhanced Recovery	Initial Total Established Reserves	Average Total Recovery
	10^6 m^3	10^6 m^3	fraction	10^6 m^3	fraction	10^6 m^3	fraction
Light-Medium							
Primary Depletion	2 730.0	672.2	0.25	-	-	671.7	0.25
Solvent Flood	475.3	152.5	0.32	140.6	0.30	293.1	0.62
Waterflood	2 891.3	499.6	0.17	439.7	0.15	940.4	0.33
Gas Flood	67.8	33.8	0.50	3.4	0.05	37.1	0.55
Heavy							
Primary Depletion	872.1	52.4	0.06	-	-	52.4	0.06
Waterflood	232.5	21.0	0.09	43.0	0.18	64.1	0.28
Total[a]	7 269.0	1 431.5	0.20[b]	626.7	0.09[b]	2 058.8	0.28[b]
	(45 743)[c]	(9 008)[c]		(3 944)[c]		(12 956)[c]	

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[a] Discrepancies are due to rounding.

[b] The estimated recovery for all pools in the province, if depleted under their natural depletion mechanism, would be 20 per cent of initial volume in place. Implementation of enhanced recovery schemes in some pools is expected to result in an increase in the average recovery factor for all pools in Alberta to 28 per cent.

[c] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-2 DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL
BY GEOLOGICAL PERIOD AND CRUDE OIL TYPE
As At 31 December 1984

	1	2	3	4	5	6	7	8	9	10	11	12
	Initial Volume In Place			Initial Established Reserves			Remaining Established Reserves			Average Recovery		
Geological Period	Light-Medium-Density	Heavy-Density	Total	Light-Medium-Density	Heavy-Density	Total	Light-Medium-Density	Heavy-Density	Total	Light-Medium-Density	Heavy-Density	Total
	10^6 m^3									fraction		
Cretaceous												
Upper	1 757.9	0.1	1 758.0	337.7	-	337.7	132.5	-	132.5	0.19	-	0.19
Lower	682.1	1 013.5	1 695.6	103.1	109.0	212.1	39.4	38.6	78.0	0.15	0.11	0.13
Jurassic	56.0	6.9	62.9	13.9	1.0	14.9	6.2	0.3	6.5	0.25	0.14	0.24
Triassic	126.2	-	126.2	34.5	-	34.5	18.0	-	18.0	0.27	-	0.27
Mississippian	486.2	40.0	526.2	77.4	4.3	81.7	18.9	1.9	20.8	0.16	0.11	0.16
Devonian												
Upper	2 146.1	1.5	2 147.6	1 048.4	0.1	1 048.5	242.3	-	242.3	0.49	0.07	0.49
Middle	730.1	-	730.1	301.2	-	301.2	117.1	-	117.1	0.41	-	0.41
Other	179.9	42.6	222.5	26.0	2.0	28.0	23.8	1.8	25.6	0.14	0.05	0.13
Total[a]	6 164.4	1 104.6	7 269.0	1 942.3	116.5	2 058.8	598.1	42.5	640.6	0.32	0.11	0.28
	(38 792)[b]	(6 951)[b]	(45 743)[b]	(12 223)[b]	(733)[b]	(12 956)[b]	(3 764)[b]	(268)[b]	(4 032)[b]			

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-3 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL
As At 31 December 1984

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Upper Cretaceous						
Belly River	131.5	27.0	14.1	1.8	1.3	2.2
Cardium	1 573.1	305.8	114.4	21.6	14.9	17.9
Miscellaneous	53.4	5.0	4.0	0.7	0.2	0.6
Subtotal	1 758.0	337.7	132.5	24.1	16.4	20.7
Lower Cretaceous						
Viking	267.8	51.7	15.5	3.7	2.5	2.4
Basal Colorado	11.8	2.7	1.0	0.2	0.1	0.2
Mannville	1 414.2	157.6	61.4	19.5	7.7	9.6
Miscellaneous	1.8	0.1	-	-	-	-
Subtotal	1 695.6	212.1	78.0	23.4	10.3	12.2
Jurassic						
Jurassic	52.9	13.6	5.9	0.7	0.7	0.9
Miscellaneous	10.0	1.4	0.6	0.1	0.1	0.1
Subtotal	62.9	15.0	6.5	0.8	0.8	1.0
Triassic						
Triassic	64.2	24.0	9.8	0.9	1.2	1.5
Miscellaneous	61.9	10.5	8.1	0.9	0.5	1.3
Subtotal	126.2	34.5	18.0	1.8	1.7	2.8
Mississippian						
Rundle	478.6	74.0	16.2	6.6	3.6	2.5
Miscellaneous	47.6	7.7	4.5	0.7	0.4	0.7
Subtotal	526.2	81.7	20.8	7.3	4.0	3.2
Upper Devonian						
Wabamun	19.6	3.1	1.5	0.3	0.2	0.2
Nisku	318.9	161.1	52.2	4.4	7.8	8.1
Leduc	792.6	483.4	67.7	10.9	23.5	10.6
Beaverhill Lake	954.3	387.9	111.8	13.1	18.8	17.5
Miscellaneous	61.7	12.7	8.9	0.8	0.6	1.4
Subtotal	2 147.6	1 048.5	242.3	29.5	50.9	37.8
Middle Devonian						
Keg River	449.8	184.8	79.7	6.2	9.0	12.4
Miscellaneous (Gilwood and Granite Wash)	280.3	116.4	37.4	3.9	5.7	5.8
Subtotal	730.1	301.2	117.1	10.1	14.7	18.2
Undefined and Confidential	222.5	28.0	25.5	3.1	1.4	4.0
Total[a]	7 269.0	2 058.8	640.6	100.0	100.0	100.0
	(45 743)[b]	(12 956)[b]	(4 032)[b]			

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a Discrepancies in totals and subtotals are due to rounding.
b Imperial equivalent in millions of stock-tank barrels.

ERCB

Reserves of Conventional Crude Oil and Basic Data

ERCB

TABLE 2-4 RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS								
ACHESON 053-26W4								
BLAIRMORE A	879	0.14		123		123	109.6	13.4
BLAIRMORE B	318	<0.02		4.1		4.1	4.1	
BLAIRMORE C	238	0.21		50.0		50.0	47.2	2.8
BLAIRMORE F	300	0.25		75.0		75.0	48.3	26.7
BLAIRMORE G	130	0.15		19.5		19.5	14.3	5.2
BLAIRMORE H	152	0.07		10.6		10.6	10.6	
BLAIRMORE J	426	0.10		42.6		42.6	33.2	9.4
BLAIRMORE K	280	0.11		30.8		30.8	23.5	7.3
BLAIRMORE L	289	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183	<0.01		.1		.1	.1	
BLAIRMORE V	198	0.12		23.8		23.8	4.0	19.8
BLAIRMORE W	79.8	0.10		8.0		8.0		8.0
BLAIRMORE X	399	0.10		39.9		39.9		39.9
BLAIRMORE D&I	555	0.10		55.5		55.5	34.9	20.6
ELLERSLIE A	343	0.10		34.3		34.3	2.7	31.6
ELLERSLIE B	387	0.10		38.7		38.7	2.4	36.3
WABAMUN A	917	0.10		91.7		91.7	3.7	88.0
D-2 A	775	0.55		426		426	406.5	19.5
D-2 B	50.2	<0.39		19.3		19.3	19.3	
D-3 A WATER FLOOD	27 600	0.54	0.18	14 900	4 970	19 900	16 262.1	3 637.9
ACHESON EAST 052-25W4								
BLAIRMORE A	492	0.25		123		123	118.2	4.8
BLAIRMORE B	5 970	0.10		597		597	342.6	254.4
BLAIRMORE C	250	0.10		25.0		25.0	10.3	14.7
BLAIRMORE D	417	0.25		104		104	46.0	58.0
BLAIRMORE E	243	0.25		60.8		60.8	6.6	54.2
GLAUCONITIC A	67.6	0.10		6.8		6.8		6.8
DETRITAL A	188	0.10		18.8		18.8	4.1	14.7
ADEN 001-09W4								
BOW ISLAND B	221	<0.01		1.1		1.1	1.1	
AERIAL 029-18W4								
VIKING A	275	<0.01		.6		.6	.6	
MANNVILLE TOTAL	1 480			177	95.0	272	205.3	66.7
PRIMARY AREA	286	0.12		34.3		34.3		
GAS FLOOD AREA	1 190	0.12	0.08	143	95.0	238		
MANNVILLE B	167	<0.01		.3		.3	.3	
MANNVILLE C	618	<0.01		.4		.4	.4	
MANNVILLE D	211	<0.01		.1		.1		.1
ALBRIGHT 071-09W6								
CHARLIE LAKE A	75.1	0.10		7.5		7.5	1.5	6.0
ALIX 040-23W4								
D-2	1 390	0.35		487		487	358.4	128.6
ALLIANCE 040-12W4								
BLAIRMORE	556	0.10		55.6		55.6	33.3	22.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
323	1.86	0.220	0.18	0.81	83	839	54	9 260	1 234.4	1952	81 12 - GPP	8
150	1.95	0.175	0.27	0.85	81	834	54	9 270	1 265.2	1954	64 04 - SUSP 60 04	9
57	3.64	0.187	0.27	0.84	82	834	56	9 480	1 270.4	1954	84 07 - GPP	10
115	2.24	0.180	0.23	0.84	81	855	52	9 380	1 276.8	1962	83 06	11
32	3.39	0.185	0.23	0.84	80	855	53	9 270	1 248.2	1963	83 12 - GPP	13
64	1.84	0.214	0.25	0.80	53	855	54	9 380	1 235.0	1950	77 12 - SUSP 81 10	14
65	6.10	0.180	0.25	0.80	84	839	52	9 410	1 231.4	1966	75 12	15
62	4.79	0.150	0.25	0.84	76	855	54	10 330	1 253.8	1969	84 12	16
129	1.74	0.214	0.25	0.80	53	855	54	9 380	1 203.7	1950	74 12 - ABAND 74 06	17
64	3.50	0.170	0.40	0.80	77	840	51	8 912	1 214.3	1980	83 12 - SUSP 81 02	19
32	5.30	0.190	0.27	0.84	60	867	55	9 000	1 274.2	1983	84 03 - PREV CONF	20
64	1.50	0.180	0.45	0.84	58	877	56	10 400	1 245.9	1951	84 08	21
64	5.50	0.180	0.25	0.84	68	853	56	10 050	1 245.8	1951	84 10	22
226	2.62	0.180	0.38	0.84	81	839	49	9 200	1 243.0	1966	84 08 - GPP	23
64	4.80	0.190	0.30	0.84	57	840	54	6 900	1 275.6	1962	83 01 - GPP	25
64	5.00	0.210	0.28	0.80	70	835	72	9 015	1 239.3	1982	83 10	26
64	28.80	0.090	0.35	0.85	60	885	42	7 855	1 314.0	1982	82 06 - SUSP 83 05	27
486	8.17	0.034	0.30	0.82	64	834	57	10 900	1 397.5	1952	83 12 - GPP	28
65	6.10	0.024	0.36	0.83	64	834	56	10 900	1 419.8	1952	64 04 - ABAND 71 09	29
1 542	24.12	0.105	0.07	0.76	90	834	60	11 930	1 547.8	1950	83 12	31
84	5.51	0.182	0.27	0.80	74	839	52	9 200	1 208.5	1953	83 12 - GPP	34
1 236	4.79	0.180	0.30	0.80	74	839	52	9 310	1 239.0	1957	83 09 - GPP	35
64	4.00	0.190	0.35	0.80	74	857	52	8 380	1 231.3	1981	83 09 - GPP	36
100	3.83	0.200	0.32	0.80	71	845	51	8 505	1 227.9	1958	84 02 - GPP	37
32	7.30	0.200	0.35	0.80	56	854	50	8 327	1 260.8	1983	84 03 - PREV CONF	39
16	3.60	0.170	0.25	0.92	26	945	50	6 300	1 155.8	1965	84 11	40
64	3.00	0.210	0.45	0.85	60	857	49	9 305	1 279.5	1980	80 09 - GPP	41
128	1.39	0.230	0.40	0.90	21	839	32	4 480	637.9	1967	78 10 - SUSP 80 08	44
64	5.10	0.150	0.25	0.75	125	832	43	8 660	1 116.5	1979	83 12 - SUSP 80 08	47
391					78	849	48	9 330	1 283.5	1958	83 07	48
81	2.42	0.223	0.20	0.82								49
310	2.62	0.223	0.20	0.82							- GPP - MRL	50
64	4.90	0.130	0.50	0.82	73	867	47	9 731	1 297.5	1979	84 12 - SUSP 81 11	52
64	11.00	0.150	0.22	0.75	112	854	43	9 350	1 323.5	1979	83 12 - SUSP 81 10	53
64	3.90	0.172	0.40	0.82	78	850	24	7 345	1 293.3	1980	83 12 - SUSP 80 10	54
64	1.90	0.090	0.12	0.78	76	832	73	9 300	2 344.4	1983	84 05 - PREV CONF	57
966	4.39	0.057	0.19	0.71	152	825	59	16 620	1 823.9	1956	84 12 - GPP	60
68	5.46	0.250	0.35	0.92	29	898	35	6 620	961.9	1951	82 12 - GPP	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
ALSIKE 049-02W5								
BANFF A	149	<0.01		.3		.3	.3	
AMBER 115-07W6								
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	159	<0.21		32.5		32.5	32.5	
MUSKEG C	129	0.30		38.7		38.7	1.3	37.4
KEG RIVER A	365	0.12		43.8		43.8	31.0	12.8
KEG RIVER B	540	<0.06		27.9		27.9	27.9	
KEG RIVER C	249	<0.09		20.1		20.1	20.1	
KEG RIVER E	330	0.25		82.5		82.5	29.1	53.4
KEG RIVER F	222	0.30		66.7		66.7	50.7	16.0
KEG RIVER G	200	0.25		50.0		50.0	42.6	7.4
KEG RIVER I	115	<0.05		4.8		4.8	4.8	
KEG RIVER J	466	<0.01		.2		.2	.2	
KEG RIVER P	2 550	<0.01		12.0		12.0	11.2	.8
KEG RIVER Q	256	0.35		89.6		89.6	28.4	61.2
AMIGO 120-08W6								
MUSKEG A	104	0.30		31.2		31.2		31.2
KEG RIVER A	489	0.20		97.8		97.8	22.5	75.3
KEG RIVER B	2 920	0.30		876		876	82.9	793.1
KEG RIVER C	1 710	0.30		513		513	20.4	492.6
KEG RIVER D	1 330	<0.03		39.5		39.5	39.5	
KEG RIVER E	100	0.07		7.0		7.0	7.0	
KEG RIVER F	1 120	<0.01		.2		.2	.2	
KEG RIVER G	613	<0.01		.2		.2	.2	
AMISK 041-08W4								
VIKING G	55.9	0.10		5.6		5.6		5.6
ANTE CREEK 065-24W5								
DUNVEGAN A	288	<0.01		.7		.7	.7	
BEAVERHILL LAKE SOLVENT FLOOD	5 930	0.16	0.44	949	2 610	3 560	1 682.5	1 877.5
BEAVERHILL LAKE B	1 670	0.35		585		585	346.5	238.5
GILWOOD A	46.1	<0.01		.2		.2		.2
ANTE CREEK NORTH 067-23W5								
PEACE RIVER D	198	<0.01		.1		.1	.1	
ARMADA 017-19W4								
UPPER MANNVILLE A	724	0.10		72.4		72.4	7.0	65.4
ARMISIE 052-25W4								
BLAIRMORE	2 170	0.15		326		326	223.7	102.3
ASTOTIN 054-18W4								
VIKING D	109	0.10		10.9		10.9		10.9
BADGER 016-18W4								
UPPER MANNVILLE A	103	<0.01		.4		.4	.4	
BARONS 012-23W4								
COLORADO	280	0.30		83.9		83.9	83.1	.8
BOW ISLAND A	64.8	<0.01		.2		.2	.2	
BASHAW 041-23W4								
BASAL MANNVILLE J	146	0.10		14.6		14.6	1.3	13.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
64	3.50	0.120	0.35	0.85	77	900	64	15 487	1 548.5	1980	83 12 - SUSP 81 10	4
												5
												6
2	14.72	0.060	0.15	0.80	73	844	72	15 100	1 506.9	1968	71 05 - SUSP 70 03	7
17	22.74	0.065	0.15	0.76	95	834	70	15 380	1 565.1	1968	83 12 - SUSP 81 11	8
64	10.50	0.030	0.20	0.80	64	800	82	14 623	1 577.3	1982	83 01 - SUSP 82 10	9
19	43.10	0.070	0.15	0.75	110	825	72	15 510	1 566.1	1968	81 12	10
												11
38	37.95	0.060	0.17	0.75	111	825	72	15 560	1 566.4	1968	79 04 - SUSP 78 06	12
12	36.79	0.093	0.15	0.73	124	849	76	15 580	1 581.6	1968	70 02 - SUSP 70 08	13
28	39.00	0.070	0.40	0.72	125	825	76	15 650	1 580.1	1968	84 11	14
14	26.97	0.097	0.15	0.73	126	829	67	15 550	1 575.8	1968	70 02 - GPP	15
14	27.00	0.090	0.15	0.68	157	820	72	15 220	1 557.8	1969	81 10 - GPP	16
												17
16	24.23	0.052	0.25	0.77	152	820	72	15 040	1 549.0	1969	78 12 - GPP	18
15	40.23	0.120	0.15	0.74	110	829	77	15 170	1 578.6	1969	71 01 - SUSP 70 10	19
64	56.00	0.110	0.10	0.72	128	820	76	15 583	1 605.0	1982	83 01 - SUSP 84 06	20
29	21.00	0.070	0.23	0.78	93	826	73	15 196	1 567.5	1982	84 09	21
												22
												23
64	3.50	0.080	0.13	0.67	155	808	83	14 342	1 787.0	1983	83 02	24
36	34.80	0.076	0.27	0.70	130	833	83	17 570	1 814.3	1981	84 11	25
64	96.00	0.080	0.15	0.70	135	804	74	14 650	1 756.0	1979	79 08	26
64	53.70	0.080	0.11	0.70	120	850	63	10 700	1 725.0	1982	83 04	27
												28
64	60.13	0.060	0.20	0.72					1 794.0	1970	79 12 - SUSP 79 02	29
9	36.00	0.060	0.25	0.65	160	814	78	15 367	1 804.0	1982	83 06 - SUSP 84 11	30
64	32.00	0.100	0.13	0.63	170	826	71	17 500	1 746.0	1982	83 05 - SUSP 84 11	31
64	33.00	0.060	0.18	0.59	233	803	81	14 382	1 803.4	1983	83 08 - SUSP 84 11	32
												33
												34
64	1.22	0.130	0.40	0.91	38	857	37	5 940	757.0	1978	78 11 - SUSP 82 04	35
												36
												37
64	4.61	0.181	0.35	0.83	62	834	59	10 340	1 365.8	1974	74 12 - ABAND 79 02	38
3 633	6.92	0.063	0.22	0.48	342	806	110	35 580	3 434.8	1963	64 04	39
												40
1 540	3.90	0.057	0.25	0.65	166	820	103	37 605	3 391.5	1966	84 12 - GPP	41
												42
65	2.44	0.090	0.35	0.50	35	806	127	34 820	3 397.9	1965	65 05 - SUSP 66 02	43
												44
												45
64	6.27	0.110	0.35	0.69	147	825	59	16 493	1 879.1	1979	81 01 - SUSP 80 07	46
												47
												48
64	7.90	0.208	0.19	0.85	62	896	45	11 718	1 196.3	1980	81 03	49
												50
												51
407	4.76	0.180	0.25	0.83	79	834	49	9 520	1 238.1	1951	81 12 - GPP	52
												53
												54
64	1.50	0.210	0.40	0.90	41	864	23	5 300	683.3	1981	84 11	55
												56
												57
65	1.22	0.230	0.35	0.87	51	881	54	12 250	1 125.9	1974	76 04 - SUSP 76 06	58
												59
												60
221	.82	0.227	0.20	0.85	51	855	37	9 380	1 253.6	1950	75 12 - GPP	61
65	1.52	0.140	0.50	0.94	23	855	34	5 000	1 307.9	1973	74 12 - ABAND 76 09	62
												63
												64
64	2.70	0.170	0.40	0.83	76	844	42	10 590	1 478.7	1978	81 12 - SUSP 83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10³m³	fraction				10³m³		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	BASHAW 041-23W4 (CONTINUED)								
3	D-2 A	992	<0.03		22.0		22.0	19.9	2.1
4	D-2 B	1 170	0.35		410		410		410.0
5	IRETON A	416	0.07		29.1		29.1	23.3	5.8
6	D-3 A	1 600	0.35		560		560	413.3	146.7
7									
8	D-3 B	264	0.10		26.4		26.4	20.1	6.3
9									
10	BATTLE 046-20W4								
11	VIKING	824	0.25		206		206	159.3	46.7
12									
13	BATTLE NORTH 046-20W4								
14	VIKING	242	0.28		67.7		67.7	63.5	4.2
15									
16	BATTLE SOUTH 045-20W4								
17	VIKING	937	0.30		281		281	179.1	101.9
18									
19	BEATON 087-02W6								
20	WABAMUN A	102	0.10		10.2		10.2	1.6	8.6
21									
22	BEAVERHILL LAKE 052-19W4								
23	UPPER VIKING F	150	0.10		15.0		15.0	.4	14.6
24									
25	BELLOY 078-01W6								
26	BELLOY A	68.5	0.10		6.9		6.9	4.6	2.3
27									
28	BELLSHILL LAKE 041-12W4								
29	UPPER VIKING A	67.5	<0.01		.2		.2	.2	
30	BLAIRMORE	41 000	<0.24		9 540		9 540	7 042.8	2 497.2
31	BLAIRMORE E	1 790	0.03		53.7		53.7	5.6	48.1
32	BLAIRMORE F	31.3	0.10		3.1		3.1	.3	2.8
33									
34	ELLERSLIE A	1 240	0.05		62.0		62.0	3.3	58.7
35									
36	BERRY 027-12W4								
37	UPPER MANNVILLE C	4 230	0.05		212		212	20.5	191.5
38									
39	BIGORAY 052-08W5								
40	CARDIUM B	2 700	0.10	0.25	270	675	945	247.4	697.6
41	WATER FLOOD								
42	OSTRACOD TOTAL	2 750			324	685	1 010	755.9	254.1
43	PRIMARY AREA	300	0.10		30.0		30.0		
44									
45	WATER FLOOD AREA	2 450	0.12	0.28	294	685	979		
46	OSTRACOD B	321	<0.02		4.4		4.4	4.4	
47	ELLERSLIE A	266	0.02		5.3		5.3	2.8	2.5
48	ELLERSLIE B	277	0.10		27.7		27.7	3.3	24.4
49	ELLERSLIE C	330	0.10	0.23	33.0	76.0	109	4.6	104.4
50	WATER FLOOD								
51									
52	ELLERSLIE D TOTAL	1 070			107	169	276	47.0	229.0
53	PRIMARY AREA	225	0.10		22.5		22.5		
54	WATER FLOOD AREA	843	0.10	0.20	84.3	169	253		
55	ELLERSLIE E	142	0.10		14.2		14.2	5.0	9.2
56	ELLERSLIE G TOTAL	1 140			114	90.0	204	41.2	162.8
57									
58	PRIMARY AREA	635	0.10		63.5		63.5		
59	WATER FLOOD AREA	500	0.10	0.18	50.0	90.0	140		
60	ELLERSLIE H	187	0.10		18.7		18.7	4.3	14.4
61	NISKU A WATER FLOOD	740	0.30	0.15	222	111	333	149.0	184.0
62	NISKU B	1 500	0.30	0.30	450	450	900	325.4	574.6
63	SOLVENT FLOOD								
64									
65	NISKU C	1 050	0.35		368		368	49.9	318.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
903	4.82	0.037	0.20	0.77	93	844	57	16 270	1 715.1	1962	83 12 - GPP	3
192	7.76	0.120	0.15	0.77	88	830	62	9 800	1 800.2	1973	84 12	4
65	15.54	0.074	0.30	0.80	76	910	51	16 270	1 717.2	1963	84 12 - GPP	5
1 375	3.05	0.067	0.15	0.67	163	825	58	16 070	1 756.6	1951	84 12 - GPP	6
												7
130	4.72	0.077	0.20	0.70	142	829	58	15 270	1 746.5	1966	83 12 - GPP	8
												9
												10
574	1.82	0.146	0.40	0.90	35	839	37	5 690	983.9	1953	83 12 - GPP	11
												12
												13
258	1.16	0.150	0.40	0.90	35	839	37	5 690	990.3	1954	64 04 - GPP	14
												15
												16
451	2.53	0.152	0.40	0.90	35	839	37	5 690	970.2	1954	84 07 - GPP	17
												18
												19
64	5.79	0.050	0.19	0.67	160	876	62	15 800	1 654.1	1974	81 12	20
												21
												22
64	2.00	0.200	0.35	0.90	29	864	38	5 163	794.0	1978	80 03	23
												24
												25
64	1.70	0.110	0.31	0.83	66	868	45	11 514	1 257.7	1977	83 04	26
												27
												28
65	.91	0.250	0.50	0.91	37	849	27	5 520	767.8	1974	75 12 - SUSP 75 09	29
2 365	8.60	0.255	0.15	0.93	29	892	34	6 480	919.6	1956	74 09	30
272	5.70	0.180	0.31	0.93	28	899	32	6 220	955.1	1977	83 12	31
16	2.00	0.150	0.30	0.93	26	866	33	4 700	921.6	1979	82 11 - SUSP 83 09	32
												33
96	6.12	0.280	0.19	0.93	28	913	33	5 300	972.1	1983	84 10	34
												35
												36
1 437	2.97	0.190	0.41	0.88	49	828	43	9 601	1 101.2	1980	84 04	37
												38
												39
704	4.81	0.108	0.18	0.90	50	872	49	14 990	1 463.2	1978	84 10	40
												41
1 183					111	839	59	17 240	1 795.6	1959	81 12	42
186	1.62	0.187	0.30	0.76								43
												44
997	2.47	0.187	0.30	0.76								45
64	4.00	0.220	0.25	0.76	120	834	60	17 650	1 841.6	1968	81 12 - SUSP 73 10	46
64	4.00	0.190	0.30	0.78	89	839	60	7 671	1 785.3	1979	81 12	47
64	2.44	0.320	0.29	0.78	25	853	50	4 550	1 816.6	1974	80 09	48
330	2.00	0.130	0.45	0.70	121	840	57	16 032	1 770.4	1979	83-09	49
												50
												51
512					111	833	64	16 202	1 820.1	1979	84 09	52
128	2.90	0.130	0.39	0.75								53
384	3.63	0.130	0.38	0.75								54
64	3.24	0.137	0.39	0.82	70	843	65	14 471	1 821.6	1979	80 10	55
382					113	853	50	16 555	1 800.3	1978	84 02	56
												57
192	5.71	0.120	0.32	0.71								58
190	4.54	0.120	0.32	0.71								59
64	3.00	0.200	0.30	0.70	135	840	62	16 466	1 780.2	1977	82 03	60
66	30.50	0.062	0.28	0.82	71	847	76	20 180	2 347.6	1978	81 02	61
67	49.24	0.067	0.22	0.87	71	834	76	21 725	2 340.0	1978	81 06	62
												63
												64
39	61.40	0.075	0.26	0.80	106	860	79	21 940	2 423.7	1978	79 05 - SUSP 81 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	POOL	1 INITIAL VOLUME IN-PLACE 10³m³	2 POOL RECOVERY PRIMARY fraction	3 POOL RECOVERY ENHANCED fraction	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISED RESERVES 10³m³
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	BIGORAY 052-08W5 (CONTINUED)								
3	NISKU D WATER FLOOD	2 200	0.40	0.10	880	220	1 100	290.9	809.1
4	NISKU E WATER FLOOD	2 000	0.35	0.10	700	200	900	252.2	647.8
5	NISKU F WATER FLOOD	2 500	0.40	0.14	1 000	350	1 350	702.3	647.7
6	NISKU G WATER FLOOD	750	0.30	0.15	225	113	338	159.5	178.5
7									
8	NISKU H WATER FLOOD	2 200	0.30	0.12	660	264	924	187.9	736.1
9	NISKU I WATER FLOOD	600	0.33	0.10	200	60.0	260	106.4	153.6
10	NISKU K TOTAL	850			255	85.0	340	152.6	187.4
11	PRIMARY AREA	283	0.30		84.9		84.9		
12	WATER FLOOD AREA	567	0.30	0.15	170	85.0	255		
13									
14	BITTERN LAKE 046-22W4								
15	NISKU A	180	<0.01		.2		.2	.2	
16									
17	BLACK 110-09W6								
18	MUSKEG A	150	0.30		45.0		45.0	17.2	27.8
19	MUSKEG C	700	0.15		105		105	9.3	95.7
20	KEG RIVER A	2 860	0.15	0.10	429	286	715	603.2	111.8
21	WATER FLOOD								
22									
23	KEG RIVER B	222	0.10		22.2		22.2	2.1	20.1
24									
25	BLACKFOOT 022-23W4								
26	LOWER MANNVILLE A	106	0.20		21.2		21.2	15.5	5.7
27									
28	BONANZA 081-11W6								
29	BOUNDARY A	6 030	0.07		422	ERSO	422	203.5	218.5
30									
31	BONNIE GLEN 046-27W4								
32	CARDIUM A	4 130	0.05		207	ERSO	207	194.2	12.8
33	D-2 A	138	<0.08		9.8		9.8	9.8	
34	D-3 A	125 000	<0.68		84 700		84 700	72 215.1	12 484.9
35									
36	BOUNDARY LAKE SOUTH 085-13W6								
37	TRIASSIC B	131	<0.01		.2		.2	.2	
38	TRIASSIC C TOTAL	3 010			362	324	686	326.1	359.9
39	PRIMARY AREA	312	0.12		37.6		37.6		
40	WATER FLOOD AREA	2 700	0.12	0.12	324	324	648		
41									
42	TRIASSIC E TOTAL	11 000			1 100	2 970	4 070	2 231.0	1 839.0
43	PRIMARY AREA	1 130	0.10		113		113		
44	WATER FLOOD AREA	9 910	0.10	0.30	991	2 970	3 960		
45	TRIASSIC F	50.0	<0.01		.2		.2	.2	
46	TRIASSIC H TOTAL	2 910			291	432	723	166.4	556.6
47									
48	PRIMARY AREA	507	0.10		50.7		50.7		
49	WATER FLOOD AREA	2 400	0.10	0.18	240	432	672		
50	TRIASSIC I	475	0.10		47.5		47.5	17.2	30.3
51	CHARLIE LAKE A	231	0.10		23.1		23.1		23.1
52	BOUNDARY A	94.8	0.10		9.5		9.5	4.1	5.4
53									
54	BRAEBURN 077-10W6								
55	BOUNDARY A	102	0.10		10.2		10.2	3.2	7.0
56	BOUNDARY B	246	0.10		24.6		24.6	3.9	20.7
57	HALFWAY A	111	0.10		11.1		11.1		11.1
58									
59	BRANT 019-25W4								
60	TURNER VALLEY A	103	<0.01		.1		.1		.1
61									
62	BRAZEAU RIVER 046-13W5								
63	BELLY RIVER A	94.1	<0.01		1.4		1.4	1.4	
64	CARDIUM A	193	0.10		19.3		19.3	14.8	4.5
65	CARDIUM B	26.0	0.10		2.6		2.6	1.0	1.6

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m^3/m^3	kg/m^3	°C	kPa	m			
												1
												2
190	18.48	0.088	0.11	0.80	84	841	80	29 100	2 496.4	1978	79 04	3
100	45.57	0.060	0.10	0.81	56	835	80	28 550	2 504.4	1978	81 12	4
60	51.00	0.110	0.07	0.80	71	834	78	22 000	2 400.0	1978	79 05	5
55	20.00	0.120	0.28	0.79	70	835	74	20 343	2 340.4	1978	80 06	6
												7
58	46.00	0.120	0.18	0.84	50	842	73	18 740	2 290.3	1979	83 01	8
51	25.10	0.092	0.32	0.76	42	840	76	17 940	2 285.7	1978	81 11	9
192					63	848	69	19 360	2 301.2	1980	84 07	10
64	9.73	0.072	0.23	0.82								11
128	9.74	0.072	0.23	0.82								12
												13
												14
64	7.50	0.080	0.45	0.85	55	875	41	10 182	1 373.5	1982	82 07 - SUSP 82 09	15
												16
												17
64	7.54	0.060	0.30	0.74	62	829	85	15 950	1 916.6	1969	82 08 - GPP	18
64	22.00	0.080	0.16	0.74	96	830	84	16 022	1 863.1	1967	83 09	19
80	82.00	0.078	0.14	0.65	160	806	91	18 730	1 993.7	1967	79 12 - GPP	20
												21
												22
20	30.50	0.070	0.20	0.65	160	806	85	16 480	1 742.5	1968	84 12 - GPP	23
												24
												25
128	.92	0.150	0.25	0.80	83	845	43	12 680	1 542.4	1963	80 03 - GPP	26
												27
												28
2 556	2.62	0.150	0.25	0.80	94	62	54	13 475	1 388.9	1973	83 05	29
												30
												31
1 318	3.26	0.130	0.16	0.88	41	834	49	14 270	1 204.3	1955	83 12 - GPP	32
67	6.28	0.057	0.20	0.72	124	815	76	14 270	1 946.5	1958	71 12 - ABAND 71 10	33
3 120	55.44	0.106	0.06	0.68	141	815	81	17 100	2 165.6	1951	83 12	34
												35
												36
65	1.83	0.197	0.25	0.75	98	844	46	13 100	1 385.6	1965	68 03 - ABAND 67 09	37
752					110	844	48	12 640	1 306.1	1968	82 08 - GPP	38
64	3.20	0.210	0.91	0.80								39
688	2.57	0.210	0.09	0.80								40
												41
3 932					92	846	47	12 860	1 330.0	1964	84 11	42
384	2.68	0.160	0.13	0.79								43
3 548	2.57	0.160	0.14	0.79								44
64	.61	0.175	0.05	0.77	106	844	46	12 560	1 317.7	1965	80 04 - SUSP 79 11	45
1 306					92	844	49	12 752	1 283.9	1973	82 08	46
												47
256	2.27	0.130	0.15	0.79								48
1 050	2.00	0.170	0.15	0.79								49
192	2.08	0.175	0.18	0.83	62	844	47	12 240	1 303.9	1977	80 11	50
64	2.50	0.210	0.15	0.81	36	927	42	10 000	1 291.3	1983	84 12	51
64	1.50	0.140	0.15	0.83	66	844	44	7 868	1 283.2	1983	84 02 - PREV CONF	52
												53
												54
64	2.90	0.100	0.19	0.68	110	813	75	15 078	1 787.3	1982	83 03	55
64	4.00	0.120	0.13	0.92	16	856	67	3 000	1 843.1	1983	84 01 - PREV CONF	56
64	4.90	0.080	0.40	0.74	100	840	69	17 000	1 903.7	1976	84 11	57
												58
												59
64	7.70	0.050	0.45	0.76	108	900	64	20 500	1 469.0	1980	80 06 - SUSP 80 05	60
												61
												62
64	1.80	0.170	0.46	0.89	27	869	33	9 650	1 389.3	1978	84 12 - SUSP 83 09	63
195	1.52	0.140	0.20	0.58	164	788	71	16 550	2 371.3	1966	83 12 - GPP	64
64	1.92	0.046	0.20	0.58	164	788	71	15 499	2 403.9	1980	84 02 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
BRAZEAU RIVER 046-13W5 (CONTINUED)								
CARDIUM C	177	0.10		17.7		17.7	8.8	8.9
CARDIUM D	89.2	0.10		8.9		8.9	.4	8.5
CARDIUM E	110	0.10		11.0		11.0	8.7	2.3
CARDIUM F	116	0.10		11.6		11.6	6.4	5.2
CARDIUM G	60.9	0.10		6.1		6.1	4.3	1.8
CARDIUM H	112	0.10		11.2		11.2	5.5	5.7
CARDIUM I	91.8	0.10		9.2		9.2	6.5	2.7
CARDIUM J	80.0	0.15		12.0		12.0	4.5	7.5
CARDIUM K	92.7	0.10		9.3		9.3	3.5	5.8
VIKING A	465	0.15		70.0		70.0	21.3	48.7
VIKING D	1 220	0.15		183		183	79.9	103.1
LOWER MANNVILLE A	121	0.10		12.1		12.1	8.0	4.1
LOWER MANNVILLE B	82.5	0.04		3.3		3.3	2.4	.9
LOWER MANNVILLE C	736	0.10		73.6		73.6	1.3	72.3
LOWER MANNVILLE D	110	0.10		11.0		11.0	.3	10.7
NISKU A SOLVENT FLOOD	5 300	0.40	0.35	2 120	1 860	3 980	1 765.7	2 214.3
NISKU B WATER FLOOD	2 300	0.40	0.12	920	276	1 200	471.5	728.5
NISKU C	30.0	0.25		7.5		7.5	4.0	3.5
NISKU D TOTAL	2 700			1 080	508	1 590	541.7	1 048.3
PRIMARY AREA	675	0.40		270		270		
SOLVENT FLOOD AREA	2 030	0.40	0.25	812	508	1 320		
NISKU E SOLVENT FLOOD	2 300	0.45	0.20	1 040	460	1 500	647.5	852.5
NISKU G	85.0	0.30		25.5		25.5	12.6	12.9
NISKU H	80.0	0.25		20.0		20.0	14.2	5.8
NISKU I	1 060	<0.35		369		369	116.6	252.4
NISKU L	575	0.30		173		173	3.8	169.2
BRUCE 047-16W4								
LOWER MANNVILLE I	372	<0.01		.3		.3	.3	
BUFFALO LAKE 039-21W4								
D-3	1 410	0.55		776		776	669.6	106.4
D-3 B	782	0.60		470		470	232.5	237.5
BYEMOOR 034-19W4								
VIKING A	144	0.05		7.2		7.2	.9	6.3
CAMPBELL-NAMAO 054-25W4								
CAMPBELL BLAIRMORE A	2 860	0.08		229		229	221.1	7.9
CAMPBELL BLAIRMORE B	58.5	<0.12		6.6		6.6	6.6	
NAMAO BLAIRMORE C	194	0.18		35.0		35.0	33.9	1.1
NAMAO BLAIRMORE D	176	0.15		26.4		26.4	21.2	5.2
NAMAO BLAIRMORE E	2 940	0.06		176		176	160.7	15.3
NAMAO BLAIRMORE F	3 960	0.10		396		396	166.0	230.0
BLAIRMORE G	262	<0.01		1.3		1.3	1.3	
BLAIRMORE J	1 110	0.09		100		100	35.3	64.7
CARBON 029-22W4								
PEKISKO B	275	0.10		27.5		27.5	14.6	12.9
CAROLINE 035-06W5								
FIRST WHITE SPECKS A	85.2	<0.03		2.1		2.1	2.1	
CARDIUM A	191	<0.02		2.7		2.7	2.7	
CARDIUM B	58.0	<0.09		5.2		5.2	5.2	
CARDIUM C	191	<0.05		9.5		9.5	6.3	3.2

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	4.00	0.140	0.15	0.58	293	791	77	27 533	2 516.5	1980	83 12	3
64	3.00	0.101	0.20	0.58	164	826	60	18 300	2 100.9	1980	84 02 - GPP	4
64	4.00	0.100	0.25	0.58	164	831	77	27 117	2 414.2	1978	84 02	5
64	4.41	0.084	0.15	0.58	145	832	71	18 500	2 364.0	1981	84 02	6
64	2.30	0.090	0.20	0.58	115	783	73	26 177	2 456.8	1981	84 02	8
64	4.00	0.100	0.24	0.58	120	819	71	24 627	2 364.0	1981	84 02	9
64	2.40	0.130	0.20	0.58	240	793	76	25 470	2 417.4	1971	84 02	10
86	2.10	0.110	0.30	0.58	240	793	76	22 946	2 537.7	1973	84 12	11
64	3.00	0.120	0.30	0.58	245	796	76	26 000	2 296.5	1973	84 03	12
256	1.82	0.160	0.20	0.78	114	815	79	25 240	2 464.0	1973	79 10	14
649	2.12	0.170	0.26	0.71	160	833	80	30 179	2 534.0	1973	84 12	15
65	4.57	0.090	0.30	0.65	184	815	92	39 610	3 120.2	1967	68 05 - GPP	16
64	1.52	0.170	0.18	0.60	220	804	99	29 950	2 737.7	1975	83 12 - GPP	17
64	9.75	0.210	0.15	0.65	177	812	95	20 000	3 079.1	1974	79 03	18
64	2.70	0.150	0.35	0.65	180	803	93	19 900	2 884.2	1967	84 10	20
108	73.20	0.110	0.10	0.68	170	820	106	46 510	3 107.4	1978	81 01	21
90	68.80	0.058	0.14	0.74	130	816	102	32 490	3 070.1	1978	83 01	23
5	28.65	0.040	0.15	0.60	195	820	107	33 233	3 101.0	1978	83 10 - SUSP 84 06	24
256					183	815	102	34 490	3 068.8	1978	83 05	26
64	27.67	0.065	0.13	0.67								27
192	27.74	0.065	0.13	0.67								28
142	40.00	0.100	0.12	0.46	354	799	108	46 200	3 200.0	1978	81 07	29
20	22.30	0.045	0.23	0.55	255	813	100	38 230	3 148.5	1978	84 12	32
96	2.44	0.060	0.10	0.63	189	806	105	43 780	3 133.6	1978	82 12	33
112	47.10	0.050	0.20	0.50	396	802	102	33 660	3 044.2	1979	80 08	34
106	15.70	0.123	0.17	0.34	672	788	105	18 396	3 197.5	1982	83 11 - SUSP 84 02	35
64	3.40	0.230	0.20	0.93	27	910	34	6 181	865.8	1978	83 12 - SUSP 82 02	38
65	28.65	0.101	0.09	0.83	74	892	59	15 170	1 685.2	1961	69 03 - GPP	41
43	26.80	0.100	0.15	0.81	83	887	57	14 070	1 676.7	1967	84 04	42
64	2.00	0.200	0.34	0.85	62	828	42	8 079	1 166.0	1979	83 12	45
809	3.08	0.174	0.25	0.88	41	870	47	8 450	1 132.0	1949	73 02 - GPP	48
16	3.05	0.180	0.25	0.88	41	870	46	8 340	1 126.5	1951	69 03 - ABAND 69 01	49
42	3.96	0.180	0.29	0.91	41	870	47	8 340	1 136.0	1953	75 12 - GPP	50
32	3.66	0.210	0.22	0.91	41	870	48	8 410	1 142.1	1959	81 12 - GPP	51
503	4.18	0.213	0.20	0.82	41	870	46	8 270	1 115.9	1951	67 05 - GPP - MRL	53
534	4.63	0.220	0.20	0.91	41	870	46	7 830	1 115.9	1966	76 12 - GPP	54
64	3.08	0.200	0.27	0.91	35	898	34	6 890	1 123.5	1951	83 12 - SUSP 83 11	55
313	2.57	0.220	0.30	0.90	43	892	35	7 920	1 142.4	1977	80 12 - GPP	56
129	5.64	0.065	0.30	0.83	69	865	53	11 610	1 574.9	1973	77 10 - GPP	59
65	2.44	0.120	0.40	0.75	105	881	66	22 170	2 046.1	1975	76 09 - SUSP 76 01	62
16	12.80	0.151	0.20	0.76	142	797	73	26 030	2 255.5	1961	69 05 - ABAND 67 10	63
64	3.82	0.039	0.20	0.76	142	801	66	27 240	2 362.8	1965	83 12 - SUSP 82 03	64
129	1.95	0.158	0.20	0.60	257	784	73	27 550	2 402.7	1973	74 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	CAROLINE 035-06W5 (CONTINUED)								
3	CARDIUM D	96.5	0.04		3.9		3.9	2.8	1.1
4	CARDIUM E TOTAL	8 800			792	1 210	2 000	782.3	1 217.7
5	PRIMARY AREA	1 840	0.09		166		166		
6	SOLVENT FLOOD AREA	4 400	0.09	0.21	396	924	1 320		
7									
8	WATER FLOOD AREA	2 560	0.09	0.11	230	282	512		
9	CARDIUM F	530	0.09		47.7		47.7	28.1	19.6
10	CARDIUM G	101	0.06		6.0		6.0	1.7	4.3
11	CARDIUM H	65.9	0.06		4.0		4.0	2.2	1.8
12	SECOND WHITE	164	0.02		3.3		3.3	.9	2.4
13	SPECKS A								
14									
15	VIKING A	9 800	0.12		1 180		1 180	778.4	401.6
16	VIKING F	157	0.10		15.7		15.7	9.0	6.7
17	VIKING G	219	<0.13		27.1		27.1	2.1	25.0
18	VIKING H	82.2	0.10		8.2		8.2	4.8	3.4
19	VIKING I	140	<0.02		1.7		1.7	1.7	
20									
21	VIKING J	157	0.05		7.9		7.9	1.7	6.2
22	UPPER MANNVILLE A	187	0.10		18.7		18.7	.4	18.3
23	BASAL MANNVILLE W	211	0.10		21.1		21.1	.1	21.0
24	ELLERSLIE A	153	0.15		23.0		23.0	4.9	18.1
25	ELLERSLIE B	207	0.15		31.1		31.1	5.7	25.4
26									
27	ELKTON B	1 270	0.08		102		102	67.3	34.7
28	ELKTON C	167	<0.02		2.9		2.9	2.9	
29	ELKTON F	361	0.05		18.1		18.1	4.0	14.1
30									
31	CARROT CREEK 052-13W5								
32	CARDIUM A TOTAL	742			89.0	78.0	167	73.0	94.0
33	PRIMARY AREA	142	0.12		17.0		17.0		
34	WATER FLOOD AREA	600	0.12	0.13	72.0	78.0	150		
35	CARDIUM B	509	0.05		25.5	ERSO	25.5	22.2	3.3
36									
37	CARDIUM C	636	0.05		31.8		31.8	19.4	12.4
38	CARDIUM D	857	0.10		85.7		85.7	34.6	51.1
39	CARDIUM E	221	0.10		22.1		22.1	7.3	14.8
40	CARDIUM F	1 220	0.10	0.20	122	244	366	68.1	297.9
41	WATER FLOOD								
42									
43	CARDIUM G	209	0.10		20.9		20.9	4.7	16.2
44	CARDIUM H	24.8	0.10		2.5		2.5	.5	2.0
45	CARDIUM I	173	0.10		17.3		17.3	12.8	4.5
46	CARDIUM K	2 020	0.10		202		202	31.5	170.5
47	CARDIUM L	202	0.10		20.2		20.2	2.4	17.8
48									
49	CARDIUM N	84.4	0.10		8.4		8.4	1.2	7.2
50	CARDIUM P	1 780	0.15		267		267.	23.3	243.7
51	CARDIUM R	1 400	0.15		210		210	25.4	184.6
52	LOWER MANNVILLE A	301	0.01		3.0		3.0	.7	2.3
53	LOWER MANNVILLE B	221	0.03		6.6		6.6	.8	5.8
54									
55	LOWER MANNVILLE C	213	0.05		10.7		10.7	1.4	9.3
56	LOWER MANNVILLE N	73.7	0.10		7.4		7.4	.8	6.6
57	LOWER MANNVILLE M	4 600	0.08		368		368	89.3	278.7
58	JURASSIC O&P								
59	JURASSIC A	213	<0.01		.2		.2	.2	
60									
61	CARSON CREEK NORTH 062-12W5								
62	BEAVERHILL LAKE A	15 100			2 260	4 530	6 790	5 235.2	1 554.8
63	TOTAL								
64	PRIMARY AREA	36.7	0.10		3.7		3.7		
65	WATER FLOOD AREA	15 100	0.15	0.30	2 260	4 530	6 790		

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	2.07	0.140	0.20	0.65	186	811	66	27 510	2 378.4	1975	84 12 - GPP	3
9 290					352	797	73	28 880	2 513.7	1976	84 10	4
1 024	3.47	0.115	0.15	0.53								5
5 107	1.86	0.103	0.15	0.53								6
												7
3 159	1.75	0.103	0.15	0.53								8
467	3.06	0.080	0.20	0.58	246	801	77	28 030	2 451.9	1976	79 12	9
64	3.05	0.110	0.15	0.55	312	801	69	22 090	2 429.4	1975	78 02 - GPP	10
65	1.83	0.120	0.20	0.58	246	801	74	21 930	2 412.2	1975	78 04 - GPP	11
64	5.00	0.100	0.30	0.73	120	820	65	20 380	2 621.5	1979	81 12 - SUSP 83 07	12
												13
												14
7 744	3.10	0.080	0.30	0.73	89	825	89	17 000	2 663.0	1962	80 08	15
98	3.05	0.100	0.30	0.75	89	825	89	16 980	2 471.0	1968	83 06 - GPP	16
192	3.23	0.076	0.38	0.75	139	793	77	17 580	2 716.6	1977	82 04 - GPP	17
64	4.74	0.070	0.47	0.73	110	724	85	21 781	2 786.9	1979	80 06 - GPP	18
64	7.02	0.074	0.37	0.67	200	788	60	17 323	2 714.5	1978	83 12 - ABAND 80 11	19
												20
64	6.50	0.070	0.25	0.72	125	849	60	17 000	2 677.5	1980	83 09 - GPP	21
64	4.00	0.130	0.12	0.64	181	863	81	27 724	2 718.9	1981	83 03	22
64	5.00	0.110	0.22	0.77	78	811	110	14 500	2 839.5	1980	82 06 - SUSP 83 11	23
64	5.82	0.073	0.25	0.75	105	830	88	28 698	2 800.6	1981	84 12	24
64	4.90	0.100	0.12	0.75	125	832	92	22 557	2 916.6	1981	84 12	25
												26
228	12.80	0.070	0.15	0.73	131	844	72	23 890	2 652.7	1963	76 12	27
65	6.19	0.067	0.15	0.73	131	844	76	23 340	2 639.6	1964	67 08 - ABAND 68 10	28
64	11.99	0.070	0.08	0.73	131	844	69	24 845	2 653.2	1980	84 12 - GPP	29
												30
												31
339					53	834	57	10 310	1 661.2	1963	84 11	32
64	3.40	0.106	0.25	0.82								33
275	5.19	0.066	0.25	0.85								34
404	2.99	0.065	0.20	0.81	62	829	61	10 480	1 661.2	1966	82 12 - GPP	35
												36
259	3.96	0.080	0.10	0.86	57	849	70	9 980	1 614.2	1973	75 12 - GPP	37
192	5.18	0.080	0.22	0.85	65	844	52	12 974	1 592.0	1973	84 08	38
64	8.50	0.053	0.11	0.86	78	835	57	10 563	1 638.3	1980	84 11	39
384	4.72	0.090	0.11	0.84	65	854	56	10 141	1 602.3	1980	84 10	40
												41
												42
64	7.16	0.067	0.15	0.80	65	852	52	10 253	1 626.3	1979	84 11	43
64	1.20	0.070	0.40	0.77	63	840	57	8 997	1 605.4	1979	81 03 - GPP	44
64	4.99	0.071	0.10	0.86				7 236	1 510.0	1967	84 12	45
448	8.39	0.080	0.21	0.85	50	838	68	9 501	1 747.2	1983	84 07	46
64	3.60	0.120	0.11	0.82	61	833	58	10 101	1 622.3	1979	83 10	47
												48
64	2.65	0.065	0.11	0.86	78	835	57	8 710	1 641.6	1981	83 11 - GPP	49
192	12.56	0.100	0.10	0.82	69	846	58	10 101	1 612.7	1983	84 11	50
536	3.63	0.095	0.15	0.89	51	845	56	9 715	1 627.5	1983	84 12 - PREV CONF	51
64	6.40	0.150	0.30	0.70	135	835	62	15 560	2 182.5	1978	82 12 - GPP	52
64	6.40	0.140	0.45	0.70	125	842	82	17 910	2 175.2	1979	80 08 - GPP	53
												54
64	6.04	0.120	0.35	0.70	168	814	63	16 517	2 223.0	1979	83 12 - GPP	55
64	2.30	0.130	0.45	0.70	130	884	86	17 794	2 180.9	1980	82 03 - GPP	56
1 054	8.61	0.110	0.36	0.72	53	834	57	16 999	2 127.4	1963	84 04	57
												58
64	7.00	0.100	0.35	0.73	125	850	60	17 000	2 187.5	1979	83 12 - ABAND 80 02	59
												60
												61
4 173					286	806	85	25 680	2 631.0	1959	82 12	62
												63
64	1.50	0.080	0.13	0.55								64
4 109	9.60	0.080	0.13	0.55								65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
CARSON CREEK NORTH 062-12W5 (CONTINUED)								
BEAVERHILL LAKE B WATER FLOOD	42 500	0.16	0.31	6 850	13 200	20 100	14 720.8	5 379.2
CARSTAIRS 030-02W5								
CARDIUM A	240	0.10		24.0		24.0	.9	23.1
CARDIUM B	23.3	0.10		2.3		2.3		2.3
VIKING B	328	0.10		32.8		32.8	4.3	28.5
VIKING C	131	0.10		13.1		13.1	.8	12.3
CAVALIER 024-23W4								
GLAUCONITIC A	449	0.10		44.9		44.9	6.3	38.6
CESSFORD 025-13W4								
GLAUCONITIC T & MANNVILLE HH	191	0.10		19.1		19.1	1.7	17.4
BANFF B	6 800	0.10		680		680	122.4	557.6
CHAIN 033-17W4								
VIKING D	429	0.12		51.5		51.5	27.6	23.9
CHAMBERLAIN 052-23W4								
BLAIRMORE	509	<0.05		24.3		24.3	24.3	
CHERHILL 056-05W5								
VIKING C	101	0.15		15.2		15.2	9.4	5.8
VIKING D	124	<0.01		1.1		1.1	1.1	
NORDEGG A	439	0.10		43.9		43.9	9.8	34.1
JURASSIC A	480	0.10		48.0		48.0	.3	47.7
JURASSIC B	351	<0.01		.6		.6	.6	
BANFF A TOTAL	3 000			599	500	1 100	423.7	676.3
PRIMARY AREA	215	0.20		43.0		43.0		
WATER FLOOD AREA	2 780	0.20	0.18	556	500	1 060		
BANFF D TOTAL	1 200			181	166	347	80.1	266.9
PRIMARY AREA	373	0.15		56.0		56.0		
WATER FLOOD AREA	831	0.15	0.20	125	166	291		
BANFF G	1 020	0.03		30.6		30.6	8.3	22.3
BANFF H	688	0.10		68.8		68.8	13.0	55.8
BANFF I	1 880	0.38		714		714	689.1	24.9
BANFF J	109	0.20		22.0		22.0	5.2	16.8
BANFF K	217	0.20		43.0		43.0	2.8	40.2
BANFF L	383	0.20		76.6		76.6	25.7	50.9
BANFF M	1 890	0.20		378		378	57.8	320.2
BANFF N	222	0.20		44.4		44.4	5.9	38.5
BANFF O	351	0.15		52.7		52.7	2.9	49.8
CHICKADEE 061-16W5								
GETHING D	88.1	0.10		8.8		8.8	.2	8.6
CHIGWELL 041-24W4								
VIKING A	176	0.10		17.6		17.6	10.4	7.2
VIKING B TOTAL	2 600			312	157	469	190.6	278.4
PRIMARY AREA	1 290	0.12		155		155		
WATER FLOOD AREA	1 310	0.12	0.12	157	157	314		
VIKING D	89.5	0.10		9.0		9.0	2.1	6.9
VIKING E	5 570	0.10		557		557	33.9	523.1
MANNVILLE G	134	<0.01		.2		.2	.2	
MANNVILLE H	289	0.10		28.9		28.9	8.8	20.1
MANNVILLE I	169	0.02		3.4		3.4	2.0	1.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
6 453	14.68	0.089	0.16	0.60	274	806	88	25 880	2 662.7	1958	80 02	3
												4
												5
												6
64	6.00	0.130	0.35	0.74	119	836	66	16 956	1 981.0	1983	84 01 - PREV CONF	7
64	1.00	0.070	0.35	0.80	82	854	59	12 500	1 956.5	1983	84 10 - SUSP 84 08	8
64	7.30	0.130	0.35	0.83	68	835	71	13 600	2 207.9	1958	83 10	9
64	3.00	0.150	0.45	0.83	68	835	71	13 600	2 175.0	1980	84 04	10
												11
												12
128	2.82	0.190	0.21	0.83	70	871	49	11 806	1 586.3	1979	83 06 - GPP	13
												14
												15
64	5.00	0.140	0.48	0.82	70	863	47	9 062	1 274.8	1981	83 01	16
												17
2 501	3.92	0.145	0.45	0.87	46	877	40	9 988	1 282.1	1973	82 07	18
												19
												20
555	.72	0.190	0.34	0.86	62	834	34	8 210	1 121.7	1977	84 12	21
												22
												23
45	7.53	0.252	0.32	0.88	41	892	46	8 210	1 126.5	1952	64 04 - ABAND 70 09	24
												25
												26
64	1.24	0.190	0.20	0.84	62	844	56	8 140	1 140.6	1974	83 12	27
64	1.86	0.160	0.25	0.87	55	849	38	7 515	1 157.3	1977	83 12 - SUSP 82 03	28
128	3.80	0.170	0.39	0.87	56	900	38	10 894	1 343.0	1973	82 07	29
64	7.60	0.170	0.30	0.83	71	894	43	10 538	1 374.8	1980	80 09 - SUSP 83 12	30
												31
64	6.19	0.180	0.40	0.82	62	901	50	10 855	1 357.0	1979	83 12 - SUSP 82 07	32
573					103	865	44	11 310	1 322.6	1966	84 08	33
64	13.20	0.050	0.33	0.76								34
509	7.33	0.140	0.30	0.76								35
209					73	865	47	10 791	1 338.7	1979	82 09	36
												37
32	19.50	0.121	0.35	0.76								38
177	7.85	0.121	0.35	0.76								39
64	14.10	0.200	0.35	0.87	53	907	46	11 055	1 369.7	1980	83 12 - GPP	40
64	12.00	0.120	0.10	0.83	68	825	41	10 957	1 374.0	1979	80 04	41
602	4.19	0.140	0.30	0.76				11 187	1 315.9		82 09	42
												43
32	4.57	0.140	0.30	0.76				10 035	1 345.9		82 09 - SUSP 84 07	44
32	9.09	0.140	0.30	0.76				9 638	1 331.9		82 09	45
128	5.48	0.100	0.35	0.84	66	870	50	11 063	1 325.1	1976	82 12	46
160	15.78	0.140	0.34	0.81	82	863	46	9 991	1 324.2	1982	84 02	47
32	9.40	0.130	0.34	0.86	48	910	64	9 925	1 329.4	1982	83 04	48
												49
64	10.10	0.100	0.33	0.81	82	863	46	9 991	1 327.0	1983	83 10 - PREV CONF	50
												51
												52
64	2.73	0.120	0.40	0.70	156	824	82	13 613	1 830.4	1980	81 11 - GPP	53
												54
												55
64	3.96	0.140	0.42	0.85	50	844	45	7 580	1 384.4	1963	83 12 - GPP	56
1 792					50	844	46	7 830	1 425.9	1962	84 11	57
890	2.07	0.130	0.40	0.90								58
902	2.07	0.130	0.40	0.90								59
												60
64	3.20	0.120	0.60	0.91	34	830	58	7 975	1 464.6	1982	83 07 - PREV CONF	61
1 792	4.04	0.130	0.35	0.91	34	858	58	7 805	1 398.2	1983	84 12	62
65	1.83	0.150	0.15	0.89	39	910	51	12 410	1 648.7	1977	77 06 - ABAND 78 05	63
64	4.00	0.170	0.20	0.83	59	915	63	12 392	1 595.1	1978	78 10	64
64	2.20	0.170	0.15	0.83	58	850	63	3 310	1 627.3	1978	82 12 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
CHIGWELL 041-24W4 (CONTINUED)								
MANN E & UP MANN A	8 290	0.07		580		580	222.9	357.1
UPPER MANNVILLE B	275	0.03		8.3		8.3	4.1	4.2
UPPER MANNVILLE C	261	<0.01		.2		.2	.2	
GLAUCONITIC A	114	<0.01		.5		.5	.5	
D-2 A	473	0.20		94.6		94.6	46.0	48.6
D-2 B	116	<0.07		7.1		7.1	7.1	
D-2 C	499	0.12		59.9		59.9	43.4	16.5
D-2 D	98.5	<0.03		2.0		2.0	2.0	
D-3 A	108	<0.05		4.8		4.8	4.8	
D-3 B	766	0.35		268		268	147.8	120.2
D-3 C	254	<0.01		.4		.4	.4	
D-3 D	274	0.20		54.8		54.8	6.4	48.4
CHIGWELL NORTH 042-24W4								
D-3 A	110	0.10		11.0		11.0	.5	10.5
CLARESHOLM 013-26W4								
RUNDLE A	1 920	0.04		76.8		76.8	48.1	28.7
RUNDLE B	1 340	0.03		40.2		40.2	26.8	13.4
RUNDLE C	56.1	0.10		5.6		5.6	4.2	1.4
CLIVE 040-24W4								
GLAUCCNITIC A	195	<0.01		.1		.1		.1
GLAUCONITIC B	64.0	<0.01		.1		.1	.1	
D-2 A TOTAL	7 410			2 510	858	3 370	2 007.2	1 362.8
PRIMARY AREA	243	0.02		4.9		4.9		
WATER FLOOD AREA	7 170	0.35	0.12	2 510	858	3 370		
D-2 B TOTAL	692			242	50.9	293	157.3	135.7
PRIMARY AREA	183	0.35		64.1		64.1		
WATER FLOOD AREA	509	0.35	0.10	178	50.9	229		
D-2 C	34.8	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	13 400			5 020	1 970	6 990	4 643.4	2 346.6
PRIMARY AREA	1 060	0.08		84.8		84.8		
WATER FLOOD AREA	12 300	<0.50	0.16	4 940	1 970	6 910		
CLOVER 061-17W5								
GETHING A	60.5	0.01		.1		.1		.1
CUSWAY 030-26W4								
RUNDLE A	91.3	<0.01		.3		.3	.3	
COUTTS 001-16W4								
MOULTON A TOTAL	2 060			411	262	673	432.7	240.3
PRIMARY AREA	746	0.20		149		149		
WATER FLOOD AREA	1 310	0.20	0.20	262	262	524		
MOULTON B	89.0	0.02		1.8		1.8	.7	1.1
MOULTON C	1 560	0.05		78.2		78.2	20.2	58.0
COYOTE 029-15W4								
GLAUCONITIC G	94.1	0.10		9.4		9.4	.1	9.3
CRANBERRY 026-01W5								
GILWOOD A	96.1	0.20		19.2		19.2	7.3	11.9
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700			1 540	1 490	3 030	2 810.6	219.4
PRIMARY AREA	795	0.06		47.7		47.7		
WATER FLOOD AREA	24 900	0.06	0.06	1 490	1 490	2 990		

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
5 376	1.51	0.150	0.18	0.83	33	921	48	13 450	1 581.6	1976	83 02 - GPP	3
65	3.35	0.180	0.15	0.83	59	915	63	13 410	1 602.3	1977	80 12 - GPP	4
64	4.00	0.150	0.20	0.85	80	700	60	7 760	1 443.0	1979	80 06 - ABAND 81 01	5
64	2.00	0.150	0.30	0.85	54	899	62	14 877	1 539.5	1980	83 12 - SUSP 81 12	6
												7
117	10.63	0.065	0.22	0.75	106	829	70	15 860	1 848.0	1955	84 01 - GPP	8
65	2.59	0.140	0.42	0.85	106	829	71	16 890	1 882.4	1959	73 02 - ABAND 72 05	9
404	4.57	0.045	0.25	0.80	83	829	72	16 930	1 871.8	1968	83 12 - GPP	10
65	3.96	0.060	0.20	0.80	83	829	57	14 070	1 872.7	1974	75 08 - SUSP 77 07	11
128	3.02	0.050	0.19	0.69	147	820	60	17 380	1 943.7	1964	83 09 - ABAND 83 09	12
												13
128	12.16	0.080	0.18	0.75	105	855	63	16 840	1 938.5	1968	84 12 - GPP	14
64	5.50	0.110	0.10	0.73	110	844	65	19 125	2 131.3	1981	82 03 - SUSP 81 12	15
64	14.00	0.048	0.15	0.75	100	836	67	12 500	1 909.0	1983	83 01 - PREV CONF	16
												17
												18
64	4.50	0.070	0.25	0.73	120	844	59	13 653	1 843.3	1980	82 03 - SUSP 84 07	19
												20
												21
129	28.96	0.086	0.16	0.71	131	844	55	19 700	2 065.9	1972	78 12 - GPP	22
194	14.11	0.081	0.15	0.71	131	844	54	19 650	2 065.6	1972	78 12	23
65	3.05	0.060	0.35	0.73	128	849	60	20 540	2 068.1	1968	73 01 - GPP	24
												25
												26
64	4.00	0.130	0.35	0.90	35	881	62	7 240	1 585.1	1978	79 01 - ABAND 79 09	27
64	1.40	0.120	0.30	0.85	58	881	62	11 370	1 578.7	1978	83 12 - SUSP 79 03	28
3 252					148	820	69	17 000	1 868.4	1951	82 12	29
100	9.00	0.049	0.20	0.69								30
												31
3 152	8.41	0.049	0.20	0.69								32
367					148	820	68	16 410	1 841.4	1966	83 07	33
64	5.90	0.080	0.12	0.69								34
303	6.92	0.044	0.20	0.69								35
65	1.22	0.080	0.20	0.69	142	820	67	17 070	1 886.4	1965	70 05 - ABAND 67 01	36
												37
4 546					155	825	66	17 510	1 898.0	1952	84 12	38
339	10.30	0.055	0.20	0.69								39
4 207	9.63	0.055	0.20	0.69								40
												41
												42
64	1.50	0.150	0.40	0.70	156	824	82	15 461	2 018.0	1980	83 12 - SUSP 83 12	43
												44
												45
64	5.80	0.050	0.40	0.82	72	869	59	11 933	1 753.1	1978	79 05 - SUSP 79 06	46
												47
												48
418					55	825	29	6 520	783.3	1966	82 08	49
192	3.74	0.170	0.29	0.86								50
226	4.69	0.200	0.28	0.86								51
64	2.16	0.150	0.50	0.86	64	825	29	6 370	766.0	1970	83 12 - GPP	52
												53
128	9.98	0.200	0.29	0.86	55	825	27	5 800	757.2	1972	81 05	54
												55
												56
64	1.50	0.220	0.45	0.81	64	876	43	9 550	1 296.8	1982	84 02	57
												58
												59
64	3.00	0.110	0.35	0.70	68	825	62	22 888	2 461.5	1980	82 02	60
												61
												62
12 910					82	834	66	25 300	2 033.9	1956	81 12 - GPP	63
259	4.30	0.098	0.10	0.81								64
12 651	2.50	0.108	0.10	0.81								65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
CROSSFIELD 026-01W5 (CONTINUED)								
CARDIUM B	391	0.10		39.1		39.1	17.9	21.2
CARDIUM C	53.7	0.10		5.4		5.4	.9	4.5
JUMPING POUND A	119	0.14		16.7		16.7	11.2	5.5
SECOND WHITE SPECKS A	207	0.15		31.0		31.0	19.8	11.2
SECOND WHITE SPECKS B	253	0.10		25.3		25.3	10.5	14.8
VIKING A	167	0.15		25.0		25.0	17.4	7.6
VIKING B	1 320	0.10		132		132	12.1	119.9
VIKING C	38.8	0.10		3.9		3.9	1.6	2.3
VIKING D	133	0.10		13.3		13.3		13.3
RUNDLE C	600	0.25		150		150	60.7	89.3
RUNDLE E	2 260	0.05		113		113	69.9	43.1
RUNDLE G	1 230	0.25		308		308	130.0	178.0
CROSSFIELD EAST 029-01W5								
CARDIUM B	144	0.07		10.1		10.1	3.3	6.8
CARDIUM C	2 780	0.10		278		278	208.7	69.3
CARDIUM D	432	0.06		25.9		25.9	22.8	3.1
CARDIUM E	104	0.10		10.4		10.4	4.9	5.5
ELLERSLIE A	212	0.05		10.6		10.6	3.9	6.7
ELKTON A	1 060	0.17		180		180	161.9	18.1
ELKTON B	188	<0.01		1.7		1.7		1.7
ELKTON D	2 700	0.15		405		405	333.3	71.7
ELKTON F	634	0.10		63.4		63.4	25.6	37.8
CRYSTAL 046-03W5								
VIKING A	19 700	0.15		2 960		2 960	488.8	2 471.2
VIKING H	1 640	0.15		246		246		246.0
CYGNET 038-01W5								
VIKING A	550	0.15		82.5		82.5	21.0	61.5
VIKING C	156	0.15		23.4		23.4	6.4	17.0
VIKING F	140	0.10		14.0		14.0	.1	13.9
GLAUCONITIC A	36.3	0.10		3.6		3.6	.2	3.4
CYN-PEM 051-11W5								
BELLY RIVER A	269	0.10		26.9		26.9	2.2	24.7
BELLY RIVER B	184	0.10		18.4		18.4	1.8	16.6
CARDIUM A TOTAL	7 140			857	1 470	2 330	1 883.1	446.9
PRIMARY AREA	728	0.12		87.4		87.4		
WATER FLOOD AREA	6 410	<0.13	0.23	770	1 470	2 240		
CARDIUM B	528	0.12		63.4		63.4	35.4	28.0
CARDIUM C	1 180	0.12		142		142	91.3	50.7
CARDIUM D	3 190	0.12		383		383	115.0	268.0
CARDIUM E	1 730	0.12		208		208	41.6	166.4
CARDIUM F	54.1	0.12		6.5		6.5	.1	6.4
CARDIUM J	239	0.12		28.7		28.7	1.5	27.2
CARDIUM K	344	0.12		41.3		41.3	8.9	32.4
ROCK CREEK I	63.4	0.10		6.3		6.3	.3	6.0
ROCK CREEK J	21.1	0.10		2.1		2.1		2.1
ROCK CREEK C&G	313	0.10		31.3		31.3	1.0	30.3
NISKU A WATER FLOOD	475	0.20	0.25	95.0	119	214	69.5	144.5
DAVEY 034-27W4								
BELLY RIVER B	2 500	0.05		125		125	40.1	84.9
BELLY RIVER F	614	0.10		61.4		61.4	11.3	50.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
192	2.71	0.110	0.10	0.76	53	834	54	8 270	1 719.4	1961	84 12 - GPP	3
64	1.30	0.100	0.15	0.76	105	851	54	15 050	1 634.7	1982	84 03	4
110	1.22	0.160	0.30	0.79	82	834	66	28 370	2 082.7	1961	82 12 - GPP	5
212	6.64	0.030	0.30	0.70	89	815	49	28 270	2 235.4	1974	77 03 - GPP	6
												7
												8
64	3.00	0.220	0.20	0.75	85	827	70	27 598	2 171.5	1980	80 09	9
												10
198	1.70	0.100	0.29	0.70	44	839	64	22 480	2 176.0	1964	81 12 - GPP	11
256	7.67	0.120	0.30	0.80	161	838	80	14 948	2 244.5	1982	84 03 - PREV CONF	12
64	1.60	0.080	0.40	0.79	84	838	80	16 046	2 290.2	1982	83 07	13
												14
64	4.27	0.103	0.40	0.79	84	838	80	14 948	2 241.0	1983	84 04 - PREV CONF	15
128	8.45	0.100	0.27	0.76	133	865	81	22 510	2 607.1	1963	83 11	16
669	4.63	0.120	0.20	0.76	121	860	71	19 510	2 114.1	1967	71 02	17
202	12.19	0.102	0.30	0.70	131	860	81	22 340	2 601.8	1974	76 06	18
												19
												20
128	1.68	0.110	0.15	0.75	46	815	60	6 410	1 720.6	1966	83 10	21
2 303	1.46	0.120	0.14	0.80	69	849	59	20 943	1 765.9	1966	84 05	22
740	.88	0.104	0.15	0.75	53	815	63	20 620	1 676.7	1968	78 12 - GPP	23
64	1.50	0.160	0.15	0.80	80	844	52	14 260	1 650.7	1978	83 12 - GPP	24
												25
64	5.30	0.100	0.30	0.89	35	874	66	15 250	2 103.8	1977	79 01 - GPP	26
486	6.74	0.064	0.17	0.68	195	855	70	20 890	2 291.5	1968	81 12 - GPP	27
65	11.86	0.047	0.20	0.65	191	855	71	20 690	2 241.2	1965	68 05 - ABAND 67 09	28
462	11.00	0.092	0.15	0.68	191	855	79	21 100	2 325.1	1965	76 04 - GPP - MRL	29
128	11.40	0.090	0.29	0.68	154	853	79	20 813	2 328.8	1976	83 05	30
												31
												32
3 920	9.10	0.105	0.38	0.81	82	825	76	10 316	1 752.0	1978	84 08	33
804	3.33	0.120	0.37	0.81	74	807	60	10 725	1 737.4	1983	84 12	34
												35
												36
607	1.94	0.090	0.35	0.80	130	813	65	13 110	1 641.8	1981	84 12	37
195	2.19	0.090	0.42	0.70	130	820	57	14 600	1 717.4	1980	84 06 - GPP	38
64	3.50	0.120	0.35	0.80	78	821	50	8 500	1 688.3	1983	83 12	39
32	1.50	0.140	0.35	0.83	68	923	62	13 600	1 832.0	1980	80 11 - SUSP 81 03	40
												41
												42
64	5.30	0.167	0.40	0.79	87	810	48	8 191	1 206.0	1982	83 03 - PREV CONF	43
64	3.20	0.180	0.44	0.89	66	822	37	6 869	1 183.3	1982	83 06	44
1 575					52	844	56	19 130	1 643.6	1962	83 11	45
256	3.79	0.097	0.11	0.87								46
												47
1 319	6.47	0.097	0.11	0.87								48
128	4.80	0.110	0.10	0.87	52	844	57	19 200	1 677.2	1963	79 10 - GPP	49
339	4.11	0.107	0.10	0.88	52	844	57	19 170	1 652.8	1963	78 11	50
711	7.35	0.090	0.22	0.87	61	868	56	12 967	1 559.2	1980	84 05	51
320	6.58	0.110	0.16	0.89	41	867	54	9 618	1 554.8	1982	84 05	52
												53
64	1.20	0.100	0.20	0.88	52	878	56	10 794	1 544.4	1982	82 12	54
64	7.00	0.100	0.40	0.89	41	871	54	9 860	1 512.8	1982	83 11	55
192	2.80	0.090	0.20	0.89	41	868	54	9 618	1 560.4	1983	84 12 - PREV CONF	56
64	2.40	0.082	0.32	0.74	120	828	80	19 500	2 207.5	1983	84 04 - PREV CONF	57
64	.80	0.082	0.32	0.74	120	828	80	19 500	2 197.9	1983	84 04 - PREV CONF	58
												59
64	10.25	0.104	0.38	0.74	120		78	19 188	2 177.4	1981	84 04	60
64	13.90	0.090	0.10	0.65	151	806	90	26 600	2 658.7	1978	80 12	61
												62
												63
384	6.30	0.185	0.40	0.93	17	840	44	4 130	1 211.7	1978	83 05	64
128	5.62	0.180	0.49	0.93	17	841	44	4 316	1 191.9	1978	84 08	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	POOL	1 INITIAL VOLUME IN-PLACE 10³m³	2 POOL RECOVERY PRIMARY fraction	3 POOL RECOVERY ENHANCED fraction	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISED RESERVES 10³m³
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	DAVEY 034-27W4 (CONTINUED)								
3	BELLY RIVER G	316	0.10		31.6		31.6	2.7	28.9
4	PEKISKO A	3 110	0.06		187		187	109.3	77.7
5	PEKISKO C	183	0.05		9.2		9.2	1.9	7.3
6	D-2 A	112	<0.01		.3		.3	.3	
7									
8	D-2 B	278	<0.01		2.1		2.1	2.1	
9									
10	DEL BONITA 001-21W4								
11	RUNDLE	397	0.27		107		107	101.6	5.4
12									
13	DELIA 032-18W4								
14	ELLERSLIE A	73.4	0.10		7.3		7.3	1.4	5.9
15									
16	DIMSDALE 071-07W6								
17	HALFWAY A	183	0.05		9.2		9.2	2.1	7.1
18									
19	DRUMHELLER 029-19W4								
20	MANNVILLE A	291	0.05		14.6		14.6	9.3	5.3
21	MANNVILLE F	450	0.01		4.5		4.5	3.9	.6
22	MANNVILLE I	416	<0.01		2.3		2.3	2.3	
23	MANNVILLE K	228	<0.01		.2		.2	.2	
24									
25	MANNVILLE L	265	<0.01		.1		.1	.1	
26	MANNVILLE T	157	<0.06		7.8		7.8	2.6	5.2
27	MANNVILLE Y	265	<0.01		.1		.1		.1
28	MANNVILLE Z	177	0.10		17.7		17.7	3.1	14.6
29	MANNVILLE AA	571	<0.01		.2		.2	.2	
30									
31	MANNVILLE BB	267	<0.01		.2		.2	.2	
32	MANNVILLE DD	1 250	0.03		37.5		37.5	7.1	30.4
33	MANNVILLE FF	305	0.02		6.1		6.1	1.2	4.9
34	MANNVILLE GG	909	0.05		45.5		45.5	5.3	40.2
35	UPPER MANNVILLE A	524	0.15		78.6		78.6	46.0	32.6
36									
37	UPPER MANNVILLE C	253	0.10		25.3		25.3	2.2	23.1
38	UPPER MANNVILLE D	36.9	0.10		3.7		3.7	.5	3.2
39	LOWER MANNVILLE A	157	0.05		7.9		7.9	1.1	6.8
40	LOWER MANNVILLE C	532	<0.01		.2		.2	.2	
41	BANFF B	71.4	<0.01		.1		.1	.1	
42									
43	D-2 A	2 510	0.65		1 630		1 630	1 285.0	345.0
44	D-2 B	5 750	0.50		2 880		2 880	1 416.8	1 463.2
45	D-2 C	172	0.15		25.8		25.8	5.6	20.2
46									
47	DUHAMEL 045-21W4								
48	WABAMUN A	48.0	<0.08		3.5		3.5	3.5	
49	D-2 A	2 000	0.51		1 020		1 020	948.2	71.8
50	D-3 A	191	<0.10		18.3		18.3	18.3	
51	D-3 B WATER FLOOD	2 240	0.50	0.05	1 120	112	1 230	1 210.2	19.8
52									
53	EAGLESHAM 077-25W5								
54	DEBOLT D	149	<0.08		11.3		11.3	11.3	
55	D-1 A	217	0.20		43.4		43.4	20.9	22.5
56	D-1 B	504	0.10		50.4		50.4	8.5	41.9
57	D-3 A	734	0.40		294		294	259.9	34.1
58									
59	EDSON 052-17W5								
60	CARDIUM A	84.7	<0.11		9.2		9.2	9.2	
61	CARDIUM B TOTAL	3 530			358	166	524	409.2	114.8
62	PRIMARY AREA	221	0.12		26.5		26.5		
63	WATER FLOOD AREA	3 310	0.10	0.05	331	166	497		
64									
65	CARDIUM C	2 640	0.05		132		132	80.9	51.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	4.94	0.185	0.40	0.90	26	854	43	3 965	1 206.5	1980	83 01	3
768	11.20	0.066	0.27	0.75	98	855	66	12 580	1 988.4	1958	81 12	4
64	13.60	0.040	0.30	0.75	85	854	59	11 665	1 990.7	1981	84 12 - GPP	5
65	9.75	0.034	0.20	0.65	177	825	66	21 710	2 355.5	1974	78 07 - ABAND 77 12	6
												7
65	16.46	0.049	0.18	0.65	220	825	66	21 580	2 354.9	1974	80 12 - ABAND 79 11	8
												9
												10
				0.85	62	839	44	8 270	1 568.8	1936	71 03 - GPP	11
												12
												13
64	1.50	0.180	0.50	0.85	25	866	39	9 304	1 327.8	1982	82 11 - GPP	14
												15
												16
64	6.80	0.084	0.35	0.77	108	820	78	21 897	2 148.8	1980	83 12	17
												18
												19
85	4.07	0.150	0.30	0.80	59	865	49	9 430	1 355.6	1950	83 06 - GPP	20
71	3.96	0.252	0.28	0.88	44	855	47	10 340	1 303.5	1969	84 07 - GPP	21
129	4.88	0.150	0.50	0.88	44	855	54	9 340	1 308.8	1966	68 03 - SUSP 73 01	22
64	4.60	0.140	0.35	0.85	62	849	54	10 080	1 305.2	1968	79 11 - ABAND 82 05	23
												24
65	4.27	0.200	0.40	0.80	71	855	56	9 430	1 310.9	1969	70 08 - SUSP 70 02	25
65	1.83	0.200	0.23	0.86				10 260	1 364.6	1975	77 04	26
64	7.00	0.100	0.35	0.91	28	887	54	6 300	1 250.3	1978	79 02 - ABAND 79 01	27
128	1.30	0.220	0.43	0.85	60	858	46	10 282	1 272.1	1978	84 06	28
64	15.90	0.120	0.45	0.85	54	885	46	7 120	1 321.4	1979	83 12 - SUSP 83 01	29
												30
64	6.30	0.130	0.40	0.85	62	871	47	9 804	1 324.3	1980	83 12 - SUSP 81 06	31
128	15.90	0.140	0.46	0.81	78	825	47	9 468	1 162.9	1980	84 04 - GPP	32
64	4.50	0.210	0.37	0.80	78	877	41	9 262	1 324.3	1980	82 07 - SUSP 83 09	33
128	13.13	0.130	0.48	0.80	57	799	33	7 240	1 293.4	1980	84 07	34
128	3.71	0.206	0.33	0.80	62	855	46	9 358	1 269.7	1969	83 06	35
												36
64	4.70	0.210	0.50	0.80	79	869	50	10 500	1 318.2	1982	82 09	37
64	1.00	0.160	0.55	0.80	87	869	33	9 900	1 288.2	1979	83 05 - SUSP 82 09	38
64	3.56	0.140	0.44	0.88	51	850	40	7 000	1 270.5	1981	83 12 - GPP	39
64	11.80	0.160	0.50	0.88	43	844	40	5 700	1 139.9	1982	83 03 - SUSP 83 03	40
64	2.80	0.070	0.33	0.85	50	876	50	8 903	1 321.4	1979	83 12 - ABAND 80 08	41
												42
605	7.63	0.078	0.17	0.84	66	860	55	13 170	1 655.1	1951	75 04	43
1 226	9.29	0.076	0.18	0.81	70	855	54	13 200	1 613.7	1962	84 12	44
64	5.00	0.080	0.20	0.84	66	858	55	12 934	1 625.5	1981	83 12 - GPP	45
												46
												47
65	1.22	0.100	0.30	0.87	44	844	71	8 960	1 374.6	1956	67 02 - SUSP 69 02	48
507	10.36	0.058	0.20	0.82	68	844	54	10 340	1 375.3	1951	81 12 - GPP	49
272	4.48	0.028	0.30	0.80	79	844	57	12 890	1 472.2	1956	64 04 - ABAND 69 12	50
212	20.51	0.073	0.14	0.82	79	844	56	12 930	1 461.2	1950	83 12	51
												52
												53
64	8.31	0.050	0.20	0.70	149	829	51	10 450	1 497.8	1968	83 12 - SUSP 81 02	54
64	23.00	0.040	0.45	0.67	167	826	64	21 977	2 047.3	1980	81 04	55
64	19.60	0.080	0.25	0.67	163	835	64	20 939	2 053.1	1981	83 10	56
191	10.33	0.062	0.13	0.69	154	820	74	25 060	2 307.0	1959	78 12 - GPP	57
												58
												59
65	1.52	0.130	0.13	0.76	104	825	61	21 720	1 785.8	1963	71 12 - ABAND 71 09	60
2 522					104	825	61	22 410	1 843.7	1963	78 12 - GPP	61
253	1.37	0.101	0.17	0.76								62
2 269	2.29	0.101	0.17	0.76								63
												64
2 495	2.40	0.090	0.21	0.62	230	815	64	23 250	1 987.6	1972	83 07 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

POOL	1 INITIAL VOLUME IN-PLACE 10³m³	2 POOL RECOVERY PRIMARY fraction	3 POOL RECOVERY ENHANCED fraction	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
EDSON 052-17W5 (CONTINUED)								
CARDIUM E	236	0.08		18.9		18.9	3.8	15.1
CARDIUM H	264	0.02		5.3		5.3	3.7	1.6
CARDIUM I	324	0.05		16.2		16.2	11.0	5.2
CARDIUM J	500	0.10		50.0		50.0	23.3	26.7
CARDIUM K	1 680	0.10		168		168	46.5	121.5
CARDIUM P	1 760	0.12		211		211	92.2	118.8
CARDIUM T	150	0.10		15.0		15.0	5.8	9.2
CARDIUM U	80.9	0.10		8.1		8.1	4.7	3.4
CARDIUM W	32.4	0.10		3.2		3.2		3.2
CARDIUM EE	55.9	0.10		5.6		5.6	1.4	4.2
CARDIUM II	99.1	0.10		9.9		9.9	3.0	6.9
CARDIUM JJ	250	0.10		25.0		25.0	7.4	17.6
CARDIUM KK	105	0.10		10.5		10.5	6.5	4.0
CARDIUM NN	218	0.10		21.8		21.8	10.3	11.5
CARDIUM OO	38.4	0.15		5.8		5.8	1.8	4.0
CARDIUM RR	836	0.12		100		100	44.8	55.2
CARDIUM SS	109	0.10		10.9		10.9	.7	10.2
CARDIUM TT	12.8	0.10		1.3		1.3	1.3	
CARDIUM UU	26.6	0.10		2.7		2.7	1.6	1.1
CARDIUM VV	42.9	0.10		4.3		4.3	1.8	2.5
CARDIUM CC & WW	237	0.10		23.7		23.7	8.7	15.0
SECOND WHITE SPECKS A	349	0.10		34.9		34.9	6.0	28.9
VIKING C	224	<0.02		2.9		2.9	2.9	
BLUESKY A	3 800	0.10		380		380	56.6	323.4
GETHING C	130	0.10		13.0		13.0	4.2	8.8
CADOMIN A	108	<0.01		.5		.5	.5	
ELLERSLIE 051-24W4								
BLAIRMORE A	79.6	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186	<0.32		59.2		59.2	59.2	
ELMWORTH 070-11W6								
CHARLIE LAKE A	2 780	0.15		417		417	72.5	344.5
CHARLIE LAKE B	114	<0.02		1.3		1.3	1.3	
ENCHANT 012-16W4								
UPPER MANNVILLE K	856	0.10		85.6		85.6	2.1	83.5
LOWER MANNVILLE G	645	0.15		96.8		96.8	55.3	41.5
ENTICE 027-24W4								
LOWER MANNVILLE A	331	0.02		6.6		6.6	3.5	3.1
PEKISKO A	260	0.03		7.8		7.8	2.4	5.4
ERSKINE 039-20W4								
BLAIRMORE F	192	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193	<0.01		.1		.1		.1
BLAIRMORE J	465	0.10		46.5		46.5	5.9	40.6
GLAUCONITIC E	178	0.10		17.8		17.8		17.8
GLAUCONITIC F	201	0.10		20.1		20.1	2.5	17.6
GLAUCONITIC I	149	0.10		14.9		14.9	.3	14.6
D-2	456	0.10		45.6		45.6	38.5	7.1
D-2 B	59.3	<0.01		.4		.4	.4	
D-2 C	41.6	0.10		4.2		4.2	.6	3.6
D-3	6 390	0.60		3 830		3 830	3 433.7	396.3
D-3 C	124	0.10		12.4		12.4	2.9	9.5

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
192	1.79	0.110	0.18	0.76	103	825	60	19 930	1 922.0	1974	84 09	3
128	2.90	0.120	0.22	0.76	104	788	77	23 020	1 974.3	1972	83 12 - GPP	4
608	1.27	0.090	0.25	0.62	208	815	60	23 180	1 947.4	1974	84 05	5
516	1.50	0.100	0.15	0.76	106	802	63	20 800	1 895.6	1978	81 12	6
												7
2 691	1.31	0.110	0.30	0.62	220	813	83	21 816	1 957.2	1973	84 05	8
2 348	1.84	0.094	0.30	0.62	220	805	83	23 316	1 984.3	1981	84 05	9
97	2.00	0.150	0.15	0.61	200	800	53	18 500	1 909.7	1981	82 12	10
64	2.00	0.120	0.15	0.62	185	800	63	19 361	1 899.5	1981	82 12	11
64	.98	0.080	0.15	0.76	105	802	62	12 100	1 896.3	1981	82 07	12
												13
64	2.40	0.069	0.15	0.62	190	813	69	18 500	2 002.1	1982	82 11	14
64	2.70	0.090	0.15	0.75	104	825	63	19 633	1 905.9	1981	83 12	15
221	2.00	0.095	0.15	0.70	104	800	64	14 000	1 938.9	1980	83 12	16
64	1.90	0.150	0.07	0.62	195	800	65	16 297	1 900.2	1982	82 06	17
128	2.12	0.090	0.15	0.30	135	825	63	15 000	1 890.4	1982	84 03 - PREV CONF	18
												19
64	1.40	0.080	0.15	0.63	189	819	64	15 588	1 868.0	1982	84 12	20
860	1.61	0.110	0.18	0.67	170	824	65	16 234	1 904.8	1983	84 08	21
64	3.00	0.110	0.18	0.63	189	819	64	15 558	1 918.3	1983	83 10 - PREV CONF	22
64	.33	0.110	0.15	0.65	186	824	65	21 374	1 917.3	1983	84 01	23
64	.79	0.100	0.15	0.62	186	824	65	21 374	1 969.5	1981	84 01	24
												25
64	1.20	0.120	0.25	0.62	189	815	64	17 670	1 916.4	1963	84 02	26
512	.88	0.100	0.26	0.71	122	809	63	21 613	1 965.6	1974	84 10	27
64	4.60	0.220	0.24	0.71	120	800	65	25 286	2 101.3	1981	83 02	28
												29
64	4.00	0.160	0.30	0.78	80	820	88	29 610	2 690.9	1976	81 12 - SUSP 81 01	30
												31
448	13.94	0.100	0.24	0.80	120	802	76	22 130	2 567.0	1979	82 08	32
64	5.30	0.100	0.25	0.51	308	804	82	22 870	2 539.3	1978	79 03	33
64	2.00	0.150	0.20	0.70	140	800	97	16 500	1 995.6	1981	84 12 - SUSP 84 02	34
												35
												36
83	.91	0.200	0.30	0.75	46	876	47	8 820	1 188.4	1950	71 05 - ABAND 70 07	37
135	1.43	0.173	0.36	0.87	46	876	47	8 860	1 184.8	1951	74 04 - ABAND 74 03	38
												39
												40
768	5.90	0.100	0.16	0.73	114	820	85	13 969	2 396.7	1979	84 11	41
64	3.40	0.110	0.32	0.70	83	803	18	19 833	2 255.8	1979	83 12 - SUSP 81 03	42
												43
												44
64	11.30	0.190	0.30	0.89	44	891	33	8 500	1 044.7	1982	82 11	45
208	2.44	0.220	0.32	0.85	67	875	32	11 135	990.1	1981	83 12	46
												47
												48
64	3.00	0.260	0.21	0.84	67	884	44	10 850	1 575.8	1976	82 12 - GPP	49
64	10.00	0.090	0.45	0.82	52	887	53	9 500	1 689.2	1980	83 12 - GPP	50
												51
												52
64	3.10	0.190	0.42	0.88	48	899	50	9 900	1 385.1	1978	79 05 - ABAND 83 09	53
64	2.20	0.200	0.22	0.88	121	875	52	18 270	1 334.1	1980	84 12 - SUSP 83 08	54
192	2.29	0.190	0.36	0.87	47	880	46	7 100	1 340.2	1982	84 06	55
64	2.40	0.200	0.30	0.83	68	877	44	9 797	1 329.9	1973	83 04	56
												57
64	2.70	0.200	0.30	0.83	75	870	50	10 700	1 318.0	1981	81 07	58
64	2.40	0.180	0.35	0.83	68	877	44	9 700	1 334.7	1973	84 05	59
58	17.37	0.067	0.15	0.80	76	887	60	11 960	1 577.6	1959	73 12 - GPP	60
16	9.50	0.065	0.25	0.80	77		61	10 418	1 573.3	1980	84 12 - SUSP 84 03	61
32	3.19	0.060	0.15	0.80	54	887	60	11 304	1 576.2	1955	84 01 - GPP	62
												63
1 720	8.60	0.062	0.15	0.82	84	887	61	15 270	1 642.0	1953	82 12 - GPP	64
64	4.00	0.750	0.21	0.82	68	887	66	12 100	1 629.0	1983	84 01 - PREV CONF	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10³m³	fraction				10³m³		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2									
3	ESTHER 032-02W4								
4	VIKING A	200	0.10		20.0		20.0	.5	19.5
5	VIKING B&C	238	0.10		23.8		23.8	6.9	16.9
6									
7	ESTUARY 023-22W4								
8	BASAL QUARTZ A	200	<0.01		.1		.1		.1
9									
10	ETHEL 067-08W5								
11	BEAVERHILL LAKE A	1 290	0.01		12.9		12.9	8.1	4.8
12									
13	EVI 087-13W5								
14	SLAVE POINT A	880	0.30		264		264	63.8	200.2
15	SLAVE POINT B	1 210	0.35		424		424	65.7	358.3
16	SLAVE POINT C	280	0.30		84.0		84.0	9.2	74.8
17	SLAVE POINT D	216	0.30		64.8		64.8	9.5	55.3
18									
19	SLAVE POINT E	66.4	0.30		19.9		19.9	1.2	18.7
20	SLAVE POINT F	118	0.30		35.4		35.4	2.5	32.9
21	SLAVE POINT G	196	0.30		58.8		58.8	3.6	55.2
22	SLAVE POINT H	700	0.20		140		140	18.5	121.5
23	SLAVE POINT I	153	0.20		30.6		30.6	6.4	24.2
24									
25	SLAVE POINT K	1 230	0.20		246		246	9.2	236.8
26	SLAVE POINT L	185	0.30		55.5		55.5	8.5	47.0
27	SLAVE POINT M	62.9	0.30		18.9		18.9	1.6	17.3
28	GILWOOD A	952	0.20		190		190	71.7	118.3
29	GILWOOD B	234	0.20		46.8		46.8	12.6	34.2
30									
31	GILWOOD D	327	0.20		65.4		65.4	19.3	46.1
32	GILWOOD G	53.2	0.20		10.6		10.6	5.4	5.2
33	GILWOOD H	214	0.20		42.8		42.8	4.1	38.7
34	GILWOOD I	669	0.25		167		167	51.0	116.0
35	GILWOOD J	237	<0.01		.9		.9	.9	
36									
37	GILWOOD K	292	0.10		29.2		29.2	6.2	23.0
38	GILWOOD L	127	0.20		25.4		25.4	6.1	19.3
39	GILWOOD M	309	0.20		61.8		61.8	10.4	51.4
40	GILWOOD O	258	0.20		51.6		51.6	25.1	26.5
41	GILWOOD P	210	0.20		42.0		42.0	6.1	35.9
42									
43	GILWOOD Q	86.7	0.20		17.3		17.3	4.2	13.1
44	GILWOOD R	45.4	0.20		9.1		9.1	1.2	7.9
45	GILWOOD S	6.3	0.20		1.3		1.3	1.0	.3
46	GILWOOD T	60.3	0.20		12.1		12.1		12.1
47	GRANITE WASH G	76.0	0.25		19.0		19.0	4.9	14.1
48									
49	GRANITE WASH H	180	0.20		36.0		36.0	9.3	26.7
50	GRANITE WASH I	349	0.25		87.3		87.3	8.2	79.1
51	GRANITE WASH K	152	0.20		30.4		30.4	4.4	26.0
52	GRANITE WASH L	329	0.20		65.8		65.8	4.9	60.9
53	GRANITE WASH M	108	0.25		27.0		27.0	2.3	24.7
54									
55	EWING LAKE 037-21W4								
56	D-2 C	448	0.35		157		157	140.1	16.9
57	D-2 D	1 500	0.30		450		450	294.5	155.5
58	D-3 A	516	0.55		284		284	266.0	18.0
59	D-3 B	252	0.20		50.4		50.4	15.5	34.9
60									
61	EXCELSIOR 056-24W4								
62	MANNVILLE A	1 800	<0.01		.7		.7	.7	
63	D-2	6 200	0.68		4 210		4 210	4 103.6	106.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
192	.93	0.240	0.48	0.90	38	871	29	6 809	718.9	1969	83 03 - SUSP 84 03	4
64	2.90	0.230	0.38	0.90	37	849	34	6 574	708.0	1974	83 04	5
												6
												7
64	4.50	0.150	0.45	0.84	68	877	46	10 689	1 517.3	1980	83 12 - SUSP 81 11	8
												9
												10
519	7.19	0.057	0.17	0.73	99	815	67	21 550	2 292.7	1964	76 04 - GPP	11
												12
												13
384	5.64	0.062	0.28	0.91	171	833	38	16 364	1 573.8	1979	83 10	14
705	3.86	0.065	0.25	0.91	30	833	38	16 257	1 555.3	1979	82 10	15
64	5.00	0.120	0.20	0.91	33	833	38	15 810	1 576.5	1981	82 06	16
64	6.50	0.090	0.27	0.79	94	861	49	6 846	1 584.3	1982	83 02	17
												18
64	3.00	0.060	0.27	0.79	94	833	49	6 846	1 528.3	1982	83 02 - GPP	19
64	4.00	0.080	0.27	0.79	94	833	49	15 926	1 543.0	1982	83 02 - SUSP 84 06	20
64	5.70	0.080	0.27	0.92	30	829	38	16 442	1 557.9	1982	83 08 - PREV CONF	21
64	15.70	0.090	0.15	0.91	31	834	34	4 000	1 549.2	1983	83 08 - PREV CONF	22
64	6.00	0.060	0.27	0.91	32	833	38	3 800	1 545.0	1982	82 10	23
												24
320	11.00	0.060	0.36	0.91	34	828	54	15 571	1 506.2	1980	84 01	25
64	13.60	0.039	0.40	0.91	42	827	66	6 850	1 507.3	1981	81 08	26
64	5.40	0.040	0.50	0.91	33	835	38	4 200	1 508.0	1983	84 01 - PREV CONF	27
377	2.32	0.200	0.31	0.79	57	820	41	16 745	1 587.0	1982	82 10	28
64	4.20	0.150	0.30	0.83	57	820	41	16 291	1 601.0	1982	82 06	29
												30
192	2.25	0.140	0.35	0.83	66	833	41	16 333	1 645.6	1981	82 10	31
64	2.17	0.087	0.50	0.88	44	835	44	16 388	1 584.6	1982	84 05	32
64	2.10	0.240	0.20	0.83	66	833	36	16 754	1 593.8	1981	82 08	33
212	3.08	0.180	0.28	0.79	14	833	43	16 582	1 585.3	1979	82 10	34
64	2.70	0.220	0.25	0.83	62	835	43	16 366	1 575.7	1981	84 12 - SUSP 83 07	35
												36
64	3.50	0.215	0.27	0.83	62	835	43	16 333	1 568.0	1981	84 12	37
64	2.50	0.120	0.25	0.88	36	882	42	6 626	1 590.7	1982	83 02	38
64	4.30	0.170	0.25	0.88	36	882	42	16 251	1 582.5	1982	83 02	39
347	2.43	0.130	0.35	0.88	36	846	42	6 626	1 578.0	1981	84 05	40
64	3.00	0.180	0.30	0.87	46	833	73	16 439	1 607.5	1982	82 10	41
												42
64	2.00	0.110	0.30	0.88	36		42	16 029	1 598.9	1982	83 08 - PREV CONF	43
64	1.40	0.080	0.28	0.88	44	854	42	13 115	1 614.3	1982	83 08 - PREV CONF	44
64	.40	0.040	0.30	0.88	44	854	39	5 600	1 613.0	1982	83 08 - PREV CONF	45
64	1.70	0.090	0.30	0.88	36	845	42	6 626	1 632.9	1983	84 02	46
64	2.20	0.100	0.40	0.90	33	833	43	16 464	1 597.4	1982	82 06	47
												48
64	2.80	0.210	0.45	0.87	45	845	45	5 850	1 608.9	1982	82 07	49
64	5.00	0.175	0.25	0.83	61	833	44	16 704	1 607.5	1982	82 07	50
64	3.70	0.130	0.45	0.90	34	845	43	6 522	1 602.0	1982	83 04	51
64	6.50	0.160	0.45	0.90	34	845	43	16 940	1 608.3	1982	83 08 - PREV CONF	52
64	2.00	0.180	0.48	0.90	64	844	43	6 522	1 612.8	1983	84 03 - PREV CONF	53
												54
												55
379	2.56	0.067	0.16	0.82	66	855	66	12 480	1 637.7	1960	75 12 - GPP	56
673	4.80	0.070	0.17	0.80	66	876	66	12 550	2 292.7	1953	79 02	57
322	4.18	0.057	0.18	0.82	69	870	60	13 100	1 670.0	1953	79 12 - GPP	58
32	18.50	0.070	0.26	0.82	71	844	58	9 563	1 668.9	1980	84 10	59
												60
												61
797	2.13	0.204	0.35	0.80	30	876	38	6 900	1 072.3	1953	84 12 - SUSP 80 03	62
599	23.07	0.060	0.15	0.88	39	844	48	8 650	1 182.3	1949	78 08 - GPP	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

POOL	1 INITIAL VOLUME IN-PLACE	2 POOL RECOVERY PRIMARY	3 POOL RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234	0.10		23.4		23.4	20.0	3.4
BASAL MANNVILLE A	287	0.05		14.4		14.4	.8	13.6
BASAL MANNVILLE C	1 340	0.08		107		107	65.8	41.2
D-2 A	1 030	<0.13		124		124	124.3	
D-2 B	671	0.45		302		302	284.4	17.6
D-3 A	2 770	0.65		1 800		1 800	1 713.8	86.2
FARRELL 034-16W4								
LOWER MANNVILLE A	104	<0.01		.1		.1	.1	
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 600	0.60		1 560		1 560	1 135.3	424.7
D-2 B	154	<0.03		3.1		3.1	3.1	
D-2 C	690	0.25		173		173	26.3	146.7
D-2 D	397	0.30		119		119	19.0	100.0
D-2 E	400	0.40		160		160	16.3	143.7
D-3 A	559	0.25		140		140	31.8	108.2
D-3 B	154	0.25		38.5		38.5	3.6	34.9
D-3 C	2 130	0.40		852		852	107.1	744.9
D-3 D	79.7	0.05		4.0		4.0	.1	3.9
D-3 E	1 990	0.40		796		796	158.9	637.1
FENN-BIG VALLEY 035-20W4								
VIKING D	185	0.10		18.5		18.5	.6	17.9
RUNDLE A	357	0.01		3.6		3.6	2.3	1.3
D-2 A TOTAL	75 200			51 300	500	51 800	42 417.2	9 382.8
PRIMARY AREA	69 500	0.70		48 700		48 700		
SOLVENT FLOOD AREA	5 670	<0.47	0.09	2 640	500	3 140		
D-2 B	99.5	<0.02		1.1		1.1	1.1	
BIG VALLEY D-3 A	557	0.75		418		418	381.5	36.5
BIG VALLEY D-3 B	261	0.45		117		117	85.0	32.0
FENN D-3 C	110	0.20		22.0		22.0	15.7	6.3
FENN D-3 E	329	0.17		55.9		55.9	42.7	13.2
FENN D-3 F	3 000	0.75		2 250		2 250	1 867.5	382.5
D-3 G	260	0.25		65.0		65.0	11.4	53.6
D-3 H	47.7	0.25		11.9		11.9		11.9
FERRIER 040-08W5								
BELLY RIVER A	4 130	<0.09		331		331	243.2	87.8
BELLY RIVER B	522	0.05		26.0		26.0	5.4	20.6
BELLY RIVER C	358	0.10		35.8		35.8	16.1	19.7
BELLY RIVER D	40.0	0.10		4.0		4.0	3.3	.7
BELLY RIVER E	937	<0.01		.5		.5	.5	
BELLY RIVER F	95.6	0.08		7.6		7.6	.7	6.9
BELLY RIVER G	798	0.10		79.8		79.8	9.3	70.5
CARDIUM C	64.5	0.10		6.5		6.5	5.7	.8
CARDIUM D TOTAL	18 500			922	2 660	3 580	1 498.3	2 081.7
PRIMARY AREA	830	0.05		42.0		42.0		
WATER FLOOD AREA	17 700	0.05	0.15	880	2 660	3 540		
CARDIUM E TOTAL	31 000			2 470	2 440	4 910	2 122.5	2 787.5
PRIMARY AREA	593	0.05		29.7		29.7		
WATER FLOOD AREA	30 400	0.08	0.08	2 440	2 440	4 880		
CARDIUM F	94.7	<0.01		.6		.6	.6	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
												3
100	1.83	0.200	0.20	0.80	43	860	38	6 170	836.4	1953	84 12 - GPP	4
32	5.80	0.240	0.30	0.92	40	909	38	6 645	1 049.6	1953	84 04	5
112	7.94	0.220	0.25	0.91	35	887	42	7 250	1 066.2	1965	81 12 - GPP	6
306	5.18	0.083	0.15	0.92	27	870	42	7 760	1 093.6	1949	64 04 - ABAND 62 01	7
												8
214	7.19	0.057	0.17	0.92	27	870	41	8 170	1 148.2	1954	68 02 - GPP	9
405	13.75	0.063	0.15	0.93	33	898	47	9 100	1 226.5	1953	69 02	10
												11
												12
64	2.40	0.130	0.40	0.87	42	890	70	8 726	1 220.8	1976	82 09 - SUSP 80 12	13
												14
												15
5	7.93	0.070	0.50	0.85	71	855	44	7 660	1 422.2	1977	79 10 - ABAND 81 02	16
1 202	6.40	0.056	0.24	0.80	81	860	61	12 410	1 699.9	1961	84 11	17
64	5.00	0.090	0.35	0.82	20	866	33	11 901	1 633.5	1980	80 09 - ABAND 82 06	18
128	12.19	0.070	0.22	0.81	73	846	62	12 300	1 725.2	1982	82 10	19
												20
64	14.10	0.067	0.20	0.82	70	847	63	12 435	1 743.4	1982	83 04 - PREV CONF	21
84	12.40	0.058	0.22	0.84	73	865	62	10 941	1 730.6	1983	84 08	22
64	15.50	0.080	0.20	0.88	35	849	55	12 891	1 783.2	1982	82 10	23
64	7.26	0.048	0.15	0.81	89	858	58	11 081	1 754.6	1982	83 02	24
64	61.50	0.074	0.11	0.82	67	860	61	13 018	1 809.9	1982	83 03	25
												26
64	5.00	0.040	0.25	0.83	67	893	60	11 914	1 804.8	1982	83 03 - SUSP 82 12	27
64	69.90	0.067	0.18	0.81	76	848	65	12 176	1 791.0	1983	83 05 - PREV CONF	28
												29
												30
64	3.50	0.170	0.40	0.81	70	857	60	6 405	1 195.6	1954	82 11 - SUSP 84 09	31
64	5.10	0.200	0.25	0.73	90	846	47	11 000	1 292.6	1952	84 12	32
6 280					77	865	58	12 480	1 612.1	1950	83 10	33
5 248	16.70	0.110	0.11	0.81								34
												35
1 032	9.62	0.082	0.14	0.81								36
64	4.63	0.060	0.30	0.80	78	855	52	12 920	1 652.2	1976	78 04 - SUSP 81 02	37
369	4.42	0.051	0.20	0.82	76	849	58	12 820	1 637.7	1950	83 12 - GPP	38
119	3.81	0.085	0.15	0.80	80	876	59	12 510	1 644.1	1954	65 02 - GPP	39
101	2.44	0.067	0.18	0.81	73	892	60	12 410	1 645.3	1965	84 04	40
												41
182	3.05	0.085	0.15	0.82	73	865	58	12 760	1 620.3	1953	81 12 - GPP	42
626	6.64	0.100	0.12	0.82	73	898	61	12 690	1 651.7	1954	84 11	43
128	3.40	0.090	0.27	0.80	73	904	41	12 560	1 584.7	1952	84 12	44
16	3.10	0.120	0.12	0.91	38	960	57	11 736	1 646.5	1983	83 09 - PREV CONF	45
												46
												47
1 212	4.51	0.130	0.30	0.83	62	820	59	9 620	1 713.3	1967	77 05	48
64	10.80	0.130	0.30	0.83	62	820	57	9 840	1 659.9	1967	80 05	49
65	7.32	0.130	0.30	0.83	66	829	54	8 430	1 627.0	1975	76 01 - GPP	50
64	1.45	0.130	0.60	0.83	67	898	57	7 681	1 717.6	1980	84 12 - GPP	51
												52
64	12.00	0.210	0.30	0.83	70	898	50	9 866	1 715.5	1980	84 12 - ABAND 82 07	53
64	3.00	0.120	0.50	0.83	54	830	57	7 675	1 615.8	1982	83 04	54
256	6.10	0.110	0.44	0.83	61	835	55	8 992	1 699.0	1982	84 03 - PREV CONF	55
69	1.40	0.120	0.20	0.75	166	806	71	23 170	2 184.5	1961	82 12 - GPP	56
6 720					169	825	77	21 510	2 093.4	1963	84 03	57
												58
320	3.44	0.130	0.12	0.66								59
6 400	3.15	0.151	0.12	0.66								60
6 157					198	811	54	21 750	2 135.4	1965	84 06	61
320	2.37	0.148	0.12	0.60								62
5 837	6.66	0.148	0.12	0.60								63
												64
65	1.52	0.140	0.12	0.78	133	834	52	21 130	2 008.6	1958	69 05 - SUSP 68 11	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
FERRIER 040-08W5 (CONTINUED)								
CARDIUM R	40.6	<0.05		1.8		1.8	1.8	
CARDIUM U	182	0.10		18.2		18.2	1.7	16.5
CARDIUM X	185	<0.01		.4		.4	.4	
CARDIUM BB	140	0.10		14.0		14.0	.2	13.8
CARDIUM GG	126	0.10		12.6		12.6		12.6
CARDIUM G&L TOTAL	23 200			1 790	3 130	4 920	737.8	4 182.2
PRIMARY AREA	4 550	<0.07		297		297		
WATER FLOOD AREA	18 600	0.08	0.17	1 490	3 130	4 620		
CARDIUM BN & VIKING A	2 880	0.15		432		432	312.4	119.6
VIKING C	76.8	0.15		11.5		11.5	8.9	2.6
VIKING D	32.2	0.15		4.8		4.8	3.9	.9
VIKING E	61.3	0.10		6.1		6.1		6.1
ROCK CREEK B	107	0.10		10.7		10.7	.2	10.5
SHUNDA A	132	<0.01		.4		.4	.4	
FERRYBANK 044-27W4								
LOWER MANNVILLE G	226	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	449	0.10		44.9		44.9	1.2	43.7
FIRE 113-07W6								
KEG RIVER A	256	0.10		25.6		25.6	11.4	14.2
KEG RIVER B	136	<0.01		.3		.3	.3	
KEG RIVER C	227	0.20		45.4		45.4	16.7	28.7
FOX CREEK 062-18W5								
GETHING B	668	0.01		6.7		6.7	5.3	1.4
BEAVERHILL LAKE A WATER FLOOD	1 500	0.05	0.20	75.0	300	375	177.7	197.3
GALAHAD 040-15W4								
ELLERSLIE A	112	0.10		11.2		11.2	1.6	9.6
GARRINGTON 034-04W5								
CARDIUM C	376	0.10		37.6		37.6	26.5	11.1
CARDIUM F	141	<0.01		.1		.1	.1	
CARDIUM G	114	<0.01		1.0		1.0	1.0	
CARDIUM H	23.8	0.10		2.4		2.4	.3	2.1
CARDIUM I	197	0.10		19.7		19.7	3.2	16.5
CARDIUM J	47.9	0.10		4.8		4.8	.6	4.2
CARDIUM K	124	0.10		12.4		12.4		12.4
CARDIUM L	95.7	0.10		9.6		9.6		9.6
CARDIUM A&B TOTAL	31 600			1 580	1 650	3 230	2 623.1	606.9
PRIMARY AREA	11 400	0.05		570		570		
WATER FLOOD AREA	20 200	0.05	0.08	1 010	1 650	2 660		
SECOND WHITE SPECKS A	87.5	0.10		8.8		8.8	1.3	7.5
VIKING A	10 500	0.10		1 050		1 050	295.0	755.0
VIKING B	2 540	0.10		254		254	44.1	209.9
VIKING C	132	0.10		13.2		13.2	2.1	11.1
VIKING F	302	0.10		30.2		30.2	22.7	7.5
VIKING G	183	0.10		18.3		18.3	1.1	17.2
MANNVILLE B	9 720	0.07		680		680	612.8	67.2
MANNVILLE D	2 300	0.07		161		161	92.2	68.8
MANNVILLE I	494	0.10		49.4		49.4	13.3	36.1
MANNVILLE J	284	0.10		28.4		28.4		28.4
LOWER MANNVILLE A	83.0	<0.02		1.4		1.4	1.4	

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9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	1.50	0.080	0.20	0.66	209	817	74	23 240	2 318.0	1976	83 12 - SUSP 80 08	3
64	5.52	0.096	0.20	0.67	218	824	71	24 764	2 283.4	1976	81 02	4
64	4.40	0.123	0.15	0.63	175		75	21 239	2 204.6	1980	83 12 - SUSP 81 11	5
64	2.95	0.140	0.20	0.66	150	813	70	20 153	2 303.7	1976	82 05 - SUSP 82 06	6
64	2.40	0.140	0.15	0.69	180	806	70	21 000	2 199.0	1980	84 10	8
10 008					190	806	70	21 600	2 180.3	1967	84 11	9
2 029	3.35	0.125	0.15	0.63								10
7 979	3.30	0.132	0.15	0.63								11
6 066	1.50	0.078	0.30	0.58	273	811	78	28 750	2 499.1	1955	84 12 - GPP	12
64	2.50	0.100	0.20	0.60	190		73	26 204	2 461.8	1979	83 12	15
64	2.00	0.070	0.41	0.61	217	823	81	25 014	2 377.9	1982	83 05	16
64	2.00	0.090	0.25	0.71	134	836	93	23 635	2 502.0	1979	84 10	17
64	3.50	0.085	0.24	0.74	120	828	70	19 000	2 563.9	1982	83 04 - SUSP 83 05	18
65	5.18	0.083	0.25	0.63	195	815	81	22 510	2 602.7	1965	67 04 - ABAND 67 11	19
64	4.00	0.160	0.31	0.80	82	860	60	10 430	1 705.0	1979	79 10 - SUSP 82 07	22
64	6.00	0.190	0.23	0.80	76	894	57	12 491	1 682.0	1982	83 04 - PREV CONF	23
22	61.70	0.035	0.30	0.77	95	844	77	15 540	1 546.9	1969	80 09 - GPP	26
20	36.58	0.034	0.30	0.77	95	849	77	15 420	1 539.5	1970	71 12 - ABAND 71 10	27
17	53.16	0.040	0.20	0.77	95	844	77	15 090	1 533.8	1969	82 12 - GPP	28
64	11.83	0.150	0.30	0.84	64	882	59	13 930	1 936.4	1977	83 12 - GPP	31
825	6.31	0.090	0.20	0.40	530		110	28 730	3 086.7	1976	80 03	32
16	4.30	0.240	0.20	0.85	60	887	40	7 300	1 055.2	1983	83 04 - GPP	36
287	2.10	0.100	0.18	0.76	109	829	66	20 000	1 878.8	1960	82 12 - GPP	39
64	2.70	0.120	0.15	0.80	68	820	75	8 300	1 852.9	1981	82 05 - ABAND 82 03	40
64	3.00	0.100	0.25	0.79	90	820	60	11 050	1 846.9	1981	84 12 - ABAND 84 01	41
128	.56	0.060	0.30	0.79	85	828	60	11 000	1 837.4	1982	83 03	42
128	2.83	0.080	0.15	0.80	89	823	59	12 231	1 858.9	1982	84 09	44
64	1.80	0.080	0.35	0.80	89	822	59	12 231	1 820.8	1982	83 11 - PREV CONF	45
64	2.40	0.150	0.28	0.75	96	828	68	14 658	1 888.5	1976	84 09	46
64	2.00	0.110	0.15	0.80	89	822	59	12 231	1 832.3	1983	84 10	47
15 434					109	829	64	24 550	2 022.0	1954	84 06	48
5 521	3.24	0.100	0.15	0.75								50
9 913	3.20	0.100	0.15	0.75							- GPP	51
64	3.20	0.090	0.35	0.73	115	823	64	17 307	2 314.1	1981	83 02	52
2 688	7.29	0.100	0.37	0.85	57	841	64	9 336	2 095.5	1978	83 12	54
576	8.21	0.090	0.29	0.84	51	830	71	9 699	2 210.7	1980	83 11	56
64	3.60	0.105	0.35	0.84	51	841	71	10 142	2 382.2	1982	83 04	57
65	6.71	0.120	0.30	0.83	128	820	53	9 070	2 002.6	1963	73 12 - GPP	58
64	4.80	0.100	0.29	0.84	51	842	71	10 142	2 117.0	1983	83 07	59
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	2 405.8	1963	81 12 - GPP	60
1 856	2.34	0.106	0.22	0.64	85	874	60	27 421	2 560.8	1980	84 12	62
128	4.60	0.160	0.18	0.64	181	864	81	29 203	2 614.0	1982	84 05	63
128	3.75	0.110	0.16	0.64	181	863	81	27 724	2 506.8	1983	84 05	64
65	2.74	0.110	0.15	0.50	301	829	64	23 080	2 512.5	1974	75 11 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	GARRINGTON 034-04W5 (CONTINUED)								
3	LOWER MANNVILLE B	37.8	<0.03		.9		.9	.9	
4	LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0	
5	LOWER MANNVILLE E	403	0.03		12.1		12.1	2.7	9.4
6	LOWER MANNVILLE I	257	<0.01		.7		.7	.7	
7									
8	LOWER MANNVILLE J	130	0.03		3.9		3.9	2.3	1.6
9	LOWER MANNVILLE N	220	0.10		22.0		22.0	7.1	14.9
10	LOWER MANNVILLE O	188	0.10		18.8		18.8	6.2	12.6
11	LOWER MANNVILLE P	63.0	0.10		6.3		6.3	1.4	4.9
12	LOWER MANNVILLE Q	310	0.10		31.0		31.0	3.6	27.4
13									
14	LOWER MANNVILLE S	163	0.10		16.3		16.3	.9	15.4
15	LOWER MANNVILLE T	160	0.10		16.0		16.0	.5	15.5
16	LOWER MANNVILLE U	69.6	<0.01		.3		.3	.3	
17	ELKTON-SHUNDA A	52.5	<0.02		.7		.7	.7	
18	WABAMUN A	6 470	0.20		1 290		1 290	1 041.1	248.9
19									
20	GEORGE 082-05W6								
21	DEBOLT B	126	0.01		1.3		1.3	1.3	
22									
23	GHOST PINE 031-22W4								
24	UPPER MANNVILLE Q	249	0.10		24.9		24.9	12.7	12.2
25	UPPER MANNVILLE V	1 010	<0.02		16.0		16.0	16.0	
26	UPPER MANNVILLE W	200	<0.01		.2		.2	.2	
27	UPPER MANNVILLE HH	281	0.07		19.7		19.7	14.7	5.0
28									
29	UPPER MANNVILLE LL	132	0.05		6.6		6.6	2.6	4.0
30	UPPER MANNVILLE NN	116	<0.01		.6		.6	.6	
31	UPPER MANNVILLE RR	264	0.10		26.4		26.4	3.3	23.1
32	UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	1.3	3.7
33	UPPER MANNVILLE	202	<0.04		6.6		6.6	6.6	
34	CGHP&U								
35									
36	LOWER MANNVILLE B	424	0.05		21.0		21.0	17.4	3.6
37	LOWER MANNVILLE E	115	<0.12		12.8		12.8	12.8	
38	LOWER MANNVILLE J	159	0.10		15.9		15.9	4.8	11.1
39	LOWER MANNVILLE K	137	0.10		13.7		13.7	3.9	9.8
40	LOWER MANNVILLE L	675	0.15		101		101	67.5	33.5
41									
42	LOWER MANNVILLE N	88.7	0.15		13.3		13.3	3.4	9.9
43	LOWER MANNVILLE A&H	362	0.08		29.0		29.0	20.9	8.1
44	PEKISKO F	110	0.10		11.0		11.0	9.4	1.6
45	PEKISKO K	305	0.05		15.3		15.3	2.8	12.5
46	PEKISKO N	202	0.10		20.2		20.2	3.1	17.1
47									
48	GIFT 079-11W5								
49	SLAVE POINT A	8 000	0.15		1 200		1 200	110.2	1 089.8
50	SLAVE POINT C	920	0.15		138		138	3.5	134.5
51	GILWOOD A	91.8	0.10		9.2		9.2	3.2	6.0
52	GILWOOD B	308	0.20		61.6		61.6	10.0	51.6
53									
54	GILWOOD C	173	0.20		34.6		34.6	5.4	29.2
55	GILWOOD D	276	0.15		41.4		41.4	3.0	38.4
56									
57	GILBY 041-03W5								
58	BELLY RIVER A	286	0.07		20.0		20.0	17.6	2.4
59	BELLY RIVER B	308	0.10		30.8		30.8	27.4	3.4
60	BELLY RIVER C	485	0.01		4.9		4.9	1.1	3.8
61	BELLY RIVER E	338	0.10		33.8		33.8	.7	33.1
62									
63	CARDIUM A	170	0.10		17.0		17.0	15.0	2.0
64	VIKING A TOTAL	6 360			1 240	1 220	2 470	2 423.0	47.0
65	PRIMARY AREA	239	0.10		23.9		23.9		

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
65	1.83	0.080	0.20	0.50	301	825	64	28 440	2 464.3	1975	76 02 - ABAND 75 06	3
64	2.16	0.090	0.16	0.80	106	839	71	28 820	2 442.0	1977	84 07 - ABAND 83 12	4
64	10.00	0.120	0.30	0.75	96	845	86	25 806	2 639.0	1979	82 12 - GPP	5
64	6.50	0.110	0.25	0.75	110	855	63	21 495	2 553.1	1981	84 12 - ABAND 82 10	6
64	1.50	0.200	0.10	0.75	100	821	83	24 775	2 642.9	1982	83 12	8
192	1.90	0.110	0.27	0.75	158	845	82	19 919	2 562.8	1981	84 11	9
128	2.23	0.110	0.20	0.75	105	836	68	28 134	2 727.0	1982	84 11	10
64	1.25	0.140	0.25	0.75	120	841	64	18 824	2 440.8	1982	83 01	11
192	2.35	0.110	0.22	0.80	152	843	82	28 269	2 617.2	1982	84 04	12
64	3.90	0.120	0.20	0.68	152	843	82	28 030	2 386.1	1982	83 04 - SUSP 83 11	14
64	3.50	0.130	0.19	0.68	152	843	82	27 038	2 596.8	1982	83 07 - PREV CONF	15
64	2.50	0.080	0.20	0.68	152	843	82	19 919	2 553.8	1983	84 07 - ABAND 83 11	16
64	2.00	0.072	0.15	0.67	140	845	82	20 000	2 402.0	1979	83 12 - SUSP 81 01	17
2 912	10.61	0.055	0.32	0.56	271	834	84	24 730	2 742.0	1965	84 12 - GPP	18
64	4.00	0.090	0.30	0.78	99	829	52	15 670	1 524.5	1976	83 12 - SUSP 81 10	21
65	3.96	0.200	0.40	0.81	80	876	53	10 410	1 507.5	1967	68 12 - GPP	24
227	3.94	0.210	0.37	0.85	67	855	58	10 420	1 481.9	1966	79 03 - SUSP 74 08	25
65	3.29	0.146	0.25	0.86	61	870	41	10 250	1 396.9	1966	66 05 - SUSP 66 09	26
64	6.40	0.140	0.40	0.81	80	876	53	10 510	1 498.4	1967	82 12 - GPP	27
64	2.14	0.186	0.39	0.85	55	820	66	10 000	1 372.8	1973	75 12	29
64	1.83	0.170	0.32	0.85	64	855	43	10 270	1 390.8	1974	79 06 - SUSP 79 04	30
64	3.55	0.182	0.25	0.85	58	874	58	9 277	1 488.8	1980	81 06	31
64	.90	0.180	0.40	0.81	66	851	40	8 600	1 359.3	1982	84 03	32
129	1.43	0.176	0.27	0.85	71	865	49	10 490	1 410.9	1966	76 12 - GPP	33
64	5.86	0.190	0.30	0.85	58	892	48	10 670	1 443.5	1959	79 12 - GPP	36
65	1.52	0.180	0.25	0.86	51	892	49	10 290	1 487.4	1966	83 12 - SUSP 81 06	37
128	1.72	0.130	0.34	0.84	62	876	56	10 980	1 572.9	1977	79 06	38
65	2.44	0.150	0.32	0.85	62	881	49	11 030	1 570.3	1977	78 10	39
64	7.39	0.210	0.20	0.85		861	60	10 250	1 489.6	1972	75 12	40
64	3.30	0.100	0.50	0.84	60	861	61	10 245	1 509.2	1981	81 08	42
128	4.16	0.180	0.55	0.84	62	865	50	10 500	1 427.7	1965	81 12 - GPP	43
32	12.19	0.054	0.40	0.86	62	870	54	10 970	1 421.3	1965	74 03 - GPP	44
64	17.00	0.050	0.30	0.80	91	813	52	10 362	1 472.9	1979	82 12 - GPP	45
64	10.50	0.050	0.30	0.86	58	86	40	10 320	1 417.1	1981	82 04 - GPP	46
1 804	8.44	0.084	0.32	0.92	16	830	64	17 357	1 771.8	1983	84 11	49
192	10.03	0.088	0.39	0.89	34	854	56	4 925	1 797.2	1980	84 12	50
64	2.50	0.100	0.30	0.82	68	820	64	18 213	1 821.5	1980	81 02 - SUSP 83 08	51
64	4.20	0.177	0.21	0.82	55	830	67	6 800	1 793.4	1983	83 11 - PREV CONF	52
64	4.18	0.150	0.48	0.83	57	830	81	8 000	1 827.3	1983	84 01 - PREV CONF	54
64	3.80	0.180	0.30	0.90	26	841	65	3 700	1 803.1	1983	84 04 - PREV CONF	55
129	3.57	0.183	0.60	0.85	57	820	38	7 170	1 282.9	1963	75 12 - GPP	58
64	6.10	0.150	0.40	0.87	51	820	46	7 240	1 350.6	1965	80 04 - GPP	59
64	6.40	0.200	0.32	0.87	68	820	33	8 200	1 299.3	1979	81 12 - SUSP 84 04	60
64	8.00	0.138	0.45	0.87	58	836	29	7 500	1 312.3	1979	83 03	61
170	1.83	0.090	0.20	0.76	106	811	63	17 790	1 671.8	1962	81 12 - GPP	63
5 734					55	834	62	9 960	1 784.9	1953	84 12 - GPP	64
128	3.18	0.104	0.32	0.83								65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction		10^3m^3				
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	GILBY C41-03W5 (CONTINUED)								
3	WATER FLOOD AREA	6 120	0.20	0.20	1 220	1 220	2 450		
4	VIKING B TOTAL	1 440			412	184	596	507.1	88.9
5	PRIMARY AREA	30.5	0.10		3.1		3.1		
6	WATER FLOOD AREA	1 410	0.29	0.13	409	184	593		
7									
8	VIKING C	229	0.20		46.1		46.1	32.9	13.2
9	VIKING F	68.7	0.15		10.3		10.3	7.8	2.5
10	VIKING G	61.2	<0.02		.9		.9	.9	
11	VIKING H	19.8	0.10		2.0		2.0	.4	1.6
12	BASAL MANNVILLE B	7 000			868	805	1 670	900.4	769.6
13	TOTAL								
14									
15	PRIMARY AREA	1 250	0.05		62.5		62.5		
16	WATER FLOOD AREA	5 750	0.14	0.14	805	805	1 610		
17	BASAL MANNVILLE F	28.0	<0.03		.7		.7	.7	
18	BASAL MANNVILLE G	76.3	<0.01		.2		.2	.2	
19	BASAL MANNVILLE Q	103	<0.01		.5		.5	.5	
20									
21	BASAL MANNVILLE R	1 040	0.10		104		104	24.4	79.6
22	BASAL MANNVILLE S	493	0.07		34.5		34.5	14.9	19.6
23	BASAL MANNVILLE U	117	<0.01		.2		.2	.2	
24	BASAL MANNVILLE X	376	0.10		37.6		37.6	1.7	35.9
25	BASAL MANNVILLE Y	93.6	0.10		9.4		9.4		9.4
26									
27	BASAL MANNVILLE H&L	1 290	0.05		64.5		64.5	31.8	32.7
28	JUR E & UP MANN A								
29	JURASSIC B TOTAL	12 200			1 470	2 190	3 670	2 353.5	1 316.5
30	PRIMARY AREA	33.3	0.12		4.0		4.0		
31	WATER FLOOD AREA	12 200	<0.13	0.18	1 470	2 190	3 670		
32									
33	JURASSIC F	1 760	0.15	0.25	264	442	706	343.2	362.8
34	WATER FLOOD								
35	JURASSIC I	610	0.05		30.5		30.5	17.6	12.9
36	JURASSIC J	443	0.10		44.3		44.3	22.8	21.5
37	JURASSIC L	442	0.10		44.2		44.2	6.9	37.3
38									
39	RUNDLE B	175	<0.02		2.0		2.0	2.0	
40	RUNDLE E	140	<0.07		8.7		8.7	8.7	
41	RUNDLE F	447	<0.01		.1		.1	.1	
42	RUNDLE L	300	0.03		9.0		9.0	5.3	3.7
43	RUNDLE M	139	<0.01		.1		.1	.1	
44									
45	RUNDLE N	67.4	0.10		6.7		6.7		6.7
46	RUNDLE O	311	0.05		15.6		15.6	5.4	10.2
47	NISKU A	121	<0.02		1.3		1.3	1.3	
48									
49	GILWOOD 072-18W5								
50	GILWOOD A	442	0.35		155		155	101.2	53.8
51									
52	GIROUX LAKE 066-21W5								
53	VIKING A TOTAL	735			119	121	240	178.2	61.8
54	PRIMARY AREA	99.3	0.05		5.0		5.0		
55	WATER FLOOD AREA	636	0.18	0.19	114	121	235		
56	GETHING A	140	0.05		7.0		7.0	1.3	5.7
57									
58	CADOMIN A	113	0.10		11.3		11.3	4.1	7.2
59									
60	GLADYS 020-27W4								
61	UPPER MANNVILLE A	92.2	0.10		9.2		9.2	1.1	8.1
62	LOWER MANNVILLE A	2 710	0.03		81.3		81.3	36.8	44.5
63	LOWER MANNVILLE B&C	77.6	<0.01		.4		.4	.4	
64	DETRITAL A	138	0.05		6.9		6.9	2.3	4.6

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9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
												1
												2
5 606	1.86	0.104	0.32	0.83								3
2 334					92	839	68	17 930	1 951.0	1962	83 12 - GPP	4
64	1.30	0.070	0.32	0.77								5
2 270	1.62	0.073	0.32	0.77								6
												7
255	1.16	0.140	0.29	0.78	92	839	66	17 440	1 911.1	1956	74 12 - GPP	8
128	.93	0.110	0.30	0.75	110	849	66	10 940	1 973.9	1974	80 12 - GPP	9
65	1.22	0.140	0.29	0.78	92	849	62	12 510	1 908.0	1976	83 12 - SUSP 81 03	10
64	2.50	0.030	0.45	0.75	100		83	12 500	1 917.6	1980	82 07 - GPP	11
1 096					71	892	69	15 860	2 145.0	1957	84 12 - GPP	12
												13
												14
288	6.02	0.120	0.23	0.78								15
708	9.40	0.142	0.22	0.78								16
41	.91	0.150	0.30	0.72	71	892	68	15 580	2 144.0	1966	73 02 - SUSP 68 08	17
65	2.13	0.100	0.30	0.79	91	892	53	15 240	2 033.6	1966	68 02 - SUSP 67 06	18
64	1.83	0.140	0.20	0.78	99	904	52		1 887.0	1974	75 12 - ABAND 76 06	19
												20
64	16.50	0.140	0.15	0.83	66	887	60	14 370	2 139.7	1976	83 11	21
128	5.20	0.130	0.27	0.78	98	829	56	15 440	1 894.3	1971	81 12 - GPP	22
64	4.00	0.090	0.35	0.78	103	904	67	15 462	2 208.5	1979	80 07 - ABAND 83 05	23
64	9.50	0.110	0.28	0.78		889	52	16 982	2 192.3	1979	79 08	24
64	2.10	0.130	0.33	0.80	87	890	79	17 500	2 126.4	1981	84 01 - SUSP 84 01	25
												26
192	7.70	0.140	0.22	0.80	86	892	71	16 220	2 137.0	1972	84 12 - GPP	27
												28
1 861					86	887	71	16 000	2 149.1	1958	80 04	29
32	1.19	0.140	0.22	0.80								30
1 829	6.40	0.167	0.22	0.80								31
												32
404	4.97	0.146	0.25	0.80	90	887	66	15 960	2 165.3	1961	68 05 - GPP	33
												34
64	7.01	0.210	0.20	0.80	76	892	70	13 750	2 155.2	1973	79 12	35
65	7.62	0.150	0.25	0.80	80	887	71	12 960	2 165.0	1974	74 12	36
64	5.00	0.240	0.28	0.80	83	896	70	15 540	2 152.5	1982	83 02	37
												38
101	4.79	0.062	0.28	0.81	86	898	71	15 860	2 148.2	1958	64 04 - SUSP 66 10	39
32	6.83	0.100	0.22	0.81	73	898	71	16 130	2 178.1	1962	63 10 - SUSP 64 07	40
65	19.42	0.061	0.28	0.81	73	898	79	14 200	2 163.2	1965	67 05 - ABAND 66 11	41
65	7.62	0.100	0.25	0.81	71	898	73	16 170	2 154.6	1974	78 12 - GPP	42
64	4.80	0.068	0.20	0.81	74	881	62	15 420	2 027.5	1976	82 12 - ABAND 83 01	43
												44
64	2.50	0.080	0.35	0.81	74	881	66	15 981	2 275.8	1979	80 07 - SUSP 80 02	45
64	8.00	0.100	0.25	0.81	116	887	54	21 216	2 275.0	1979	83 12 - GPP	46
64	9.00	0.050	0.40	0.70	177	817	51	18 540	2 478.5	1979	83 12 - SUSP 81 11	47
												48
												49
243	2.13	0.150	0.36	0.89	36	834	86	25 860	2 472.5	1954	71 08 - GPP	50
												51
												52
582					71	834	56	11 620	1 376.5	1964	84 12 - GPP	53
192	1.00	0.110	0.44	0.84								54
390	2.01	0.138	0.30	0.84								55
64	2.50	0.130	0.25	0.90	29	927	59	8 300	1 691.3	1979	79 11	56
												57
64	1.84	0.160	0.32	0.88		922	71	15 850	1 745.5	1978	79 02 - GPP	58
												59
												60
64	2.00	0.120	0.25	0.80	80	852	48	17 226	2 021.5	1979	82 08	61
192	22.39	0.120	0.30	0.75	112	849	54	16 805	2 056.9	1978	83 12 - GPP	62
64	2.10	0.110	0.30	0.75	112	830	54	16 682	2 054.1	1978	82 12 - SUSP 82 07	63
64	4.00	0.120	0.40	0.75	112	840	54	15 065	2 062.4	1978	84 12	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	$10^3 m^3$	fraction				$10^3 m^3$		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
GLADYS 020-27W4 (CONTINUED)								
RUNDLE C	1 700	0.10		170		170	48.1	121.9
RUNDLE E	419	<0.01		.2		.2	.2	
GLEICHEN 022-21W4								
UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.10		4.4		4.4	1.2	3.2
GLEN PARK 049-27W4								
GLAUCONITIC A	194	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333	0.15		50.0		50.0	34.7	15.3
D-2 A	304	0.07		21.3		21.3	21.3	
D-3 A	4 660	0.72		3 350		3 350	2 967.3	382.7
D-3 B	140	0.40		56.0		56.0	2.9	53.1
GOLD CREEK 068-06W6								
CHARLIE LAKE A	99.8	0.15		15.0		15.0	1.2	13.8
GOLDEN 087-14W5								
SLAVE POINT A	8 230	0.45		3 700		3 700	1 678.3	2 021.7
GOLDEN SPIKE 051-27W4								
UPPER MANNVILLE A	47.9	0.10		4.8		4.8	.3	4.5
D-2 A WATER FLOOD	2 180	0.11	0.07	240	152	392	344.1	47.9
D-2 B	356	0.15		53.4		53.4	48.7	4.7
D-3 A TOTAL	49 600			29 900	3 650	33 500	27 619.1	5 880.9
SOLVENT FLOOD AREA					1 590	1 590		
GAS FLOOD AREA	49 600	<0.61	0.05	29 900	2 070	31 900		
D-3 B	750	0.40		300		300	234.7	65.3
D-3 C	425	0.40		170		170	163.3	6.7
GOOSE RIVER 067-18W5								
D-2 A	297	<0.01		.9		.9	.9	
BEAVERHILL LAKE A TOTAL	23 100			3 650	4 130	7 780	5 275.6	2 504.4
PRIMARY AREA	237	<0.01		1.6		1.6		
WATER FLOOD AREA	22 900	0.16	0.18	3 650	4 130	7 780		
BEAVERHILL LAKE B	167	<0.09		13.8		13.8	13.8	
GORDONDALE 079-10W6								
HALFWAY A	149	<0.02		2.2		2.2	2.2	
HALFWAY B	687	0.10		68.7		68.7	13.0	55.7
HALFWAY C	167	0.10		16.7		16.7	2.7	14.0
GRANDE PRAIRIE 073-06W6								
HALFWAY A	4 000	0.12		480		480	55.1	424.9
HALFWAY F	11.4	0.10		1.1		1.1	.3	.8
GUNN 056-03W5								
LOWER MANNVILLE A	158	0.10		15.8		15.8	1.2	14.6
HACKETT 035-17W4								
UPPER MANNVILLE A	2 260	0.05		113		113	30.0	83.0
HALKIRK 038-16W4								
UPPER MANNVILLE B	82.7	<0.01		.2		.2	.2	
LOWER MANNVILLE F	1 160	0.10		116		116	35.3	80.7
HALKIRK EAST 040-13W4								
VIKING A	273	0.10		27.3		27.3	3.9	23.4

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9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
320	13.00	0.070	0.27	0.73	102	849	56	15 190	2 070.1	1978	80 05	3
64	12.80	0.120	0.40	0.71	140	820	64	16 165	1 988.5	1978	82 12 - SUSP 78 10	4
64	1.30	0.140	0.50	0.81	82	841	43	10 869	1 462.0	1980	84 12 - ABAND 83 11	7
64	1.70	0.100	0.50	0.81	72	838	43	9 800	1 396.4	1979	83 01	8
77	2.74	0.149	0.26	0.83	60	881	59	13 240	1 408.5	1953	61 09 - ABAND 71 05	11
82	3.64	0.170	0.20	0.82	44	881	60	7 170	1 428.9	1965	84 12 - GPP	12
239	4.63	0.047	0.20	0.73	113	820	67	13 240	1 691.3	1952	64 04 - SUSP 69 12	13
173	39.32	0.097	0.07	0.76	106	834	74	15 200	1 921.8	1951	73 05	14
64	4.00	0.090	0.20	0.76	99	836	74	14 149	1 912.0	1983	84 05 - PREV CONF	16
64	2.76	0.109	0.29	0.73	114	822	85	13 969	2 452.0	1983	84 03	19
2 146	9.62	0.060	0.27	0.91	32	829	38	16 660	1 599.3	1971	84 12	22
16	3.60	0.160	0.35	0.80	60	905	50	11 272	1 269.5	1976	84 03 - SUSP 84 09	25
609	9.85	0.057	0.15	0.75	87	839	61	12 270	1 542.9	1952	82 12 - GPP	26
173	3.93	0.078	0.14	0.78	87	839	61	12 410	1 556.9	1951	73 12 - GPP	27
590					73	839	67	14 450	1 728.8	1949	77 12	28
											- SOLVENT FLOOD	30
											TERMINATED 76 02	31
590	135.64	0.087	0.11	0.80								32
254	6.09	0.068	0.12	0.81	73	839	77	14 340	1 810.2	1950	83 12	33
158	5.82	0.068	0.15	0.80	73	839	67	14 480	1 827.0	1951	80 12 - GPP	34
65	9.14	0.080	0.15	0.74	113	825	114	28 460	2 372.6	1965	71 05 - ABAND 69 08	37
3 699					99	820	110	29 300	2 810.3	1963	82 12	38
65	7.35	0.082	0.19	0.75								40
3 634	12.65	0.082	0.19	0.75								42
130	3.66	0.060	0.24	0.77	99	820	104	36 200	2 857.2	1965	67 02 - SUSP 76 03	43
65	4.88	0.090	0.27	0.72	129	815	67	16 880	1 747.1	1976	83 12 - SUSP 80 12	46
128	10.00	0.110	0.35	0.75	139	830	68	17 046	1 835.1	1980	82 12	47
64	6.62	0.081	0.35	0.75	139	830	61	16 503	1 859.9	1980	81 05	48
900	7.00	0.106	0.16	0.71	129	798	73	16 010	1 905.6	1982	84 02	51
64	1.00	0.050	0.50	0.71	129	797	73	14 820	1 901.9	1983	84 01 - PREV CONF	52
64	3.10	0.190	0.40	0.70	112	827	60	10 344	1 348.2	1978	84 01	55
598	4.10	0.180	0.39	0.84	44	871	39	8 170	1 177.2	1974	84 12 - GPP	58
64	1.23	0.200	0.30	0.75	51	874	35		1 183.5	1977	82 12 - SUSP 81 02	61
448	3.39	0.180	0.47	0.80	98	843	37	8 910	1 201.5	1978	84 05 - GPP	62
192	1.55	0.170	0.42	0.93	26	850	33	3 420	829.6	1982	82 11	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
HALKIRK EAST 040-13W4 (CONTINUED)								
VIKING B	60.7	0.10		6.1		6.1	1.2	4.9
VIKING C	52.9	0.10		5.3		5.3	.2	5.1
VIKING D	267	0.05		13.4		13.4	3.1	10.3
VIKING E	91.2	0.10		9.1		9.1	.7	8.4
VIKING F	86.4	0.10		8.6		8.6	.1	8.5
GLAUCONITIC A	743	0.10		74.3		74.3	1.5	72.8
ELLERSLIE A	2 200	0.10		220		220	17.6	202.4
ELLERSLIE B	2 380	0.10		238		238	13.4	224.6
HAMELIN CREEK 080-06W6								
TRIASSIC A	728	0.25		182		182	24.7	157.3
HANNA 031-14W4								
UPPER MANNVILLE B	105	0.10		10.5		10.5	1.7	8.8
LOWER MANNVILLE A	297	<0.01		.3		.3	.3	
HARMATTAN EAST 032-03W5								
CARDIUM A	159	<0.01		.2		.2	.2	
CARDIUM B	152	<0.01		.2		.2	.2	
CARDIUM C	25.2	0.10		2.5		2.5	.7	1.8
CARDIUM D	258	0.10		25.8		25.8	1.3	24.5
VIKING A	87.4	0.15		13.1		13.1	6.8	6.3
VIKING B	350	<0.01		1.0		1.0	1.0	
VIKING C	243	0.10		24.3		24.3	4.2	20.1
VIKING E	9 500	0.10		950		950	215.3	734.7
VIKING J	77.5	0.10		7.8		7.8	.3	7.5
VIKING K	106	0.10		10.6		10.6	.3	10.3
VIKING L	237	0.10		23.7		23.7	.4	23.3
BLAIRMORE	288	<0.09		24.8		24.8	24.8	
NORDEGG A	136	0.10		13.6		13.6	.9	12.7
RUNDLE TOTAL	32 700			10 500	2 620	13 100	10 063.3	3 036.7
PRIMARY AREA	.5	0.32		.2		.2		
WATER FLOOD AREA	32 700	0.32	0.08	10 500	2 620	13 100		
HARMATTAN-ELKTON 031-04W5								
RUNDLE B	113	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900	0.34		10 200		10 200	8 684.4	1 515.6
HARO 106-08W6								
KEG RIVER A	370	0.15		55.5		55.5	1.8	53.7
HAYNES 038-24W4								
D-2 A & D-3 A	1 670	0.20		334		334	237.2	96.8
HIGHVALE 051-04W5								
CARDIUM C TOTAL	1 440	0.10		144	126	270	47.1	222.9
PRIMARY AREA	596	0.10		59.6		59.6		
WATER FLOOD AREA	840	0.10	0.15	84.0	126	210		
CARDIUM D	95.0	0.10		9.5		9.5	2.4	7.1
LOWER MANNVILLE A TOTAL	5 410			432	419	851	174.8	676.2
PRIMARY AREA	3 080	0.08		246		246		
WATER FLOOD AREA	2 330	0.08	0.18	186	419	605		
LOWER MANNVILLE B	120	0.10		12.0		12.0	8.2	3.8
LOWER MANNVILLE D	102	0.10		10.2		10.2	3.7	6.5
LOWER MANNVILLE I	131	0.08		10.5		10.5	2.7	7.8
LOWER MANNVILLE J	102	0.10		10.2		10.2	2.5	7.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
64	1.20	0.170	0.50	0.93	27	850	33	6 557	837.6	1982	82 11	3
64	.90	0.170	0.40	0.90	37	854	33	5 757	828.5	1982	82 11	4
64	3.70	0.200	0.40	0.94				5 978	829.0	1973	78 12 - GPP	5
64	2.00	0.150	0.50	0.95	24	858	33	6 123	834.5	1982	83 05	6
												7
64	2.00	0.150	0.50	0.90	37	858	33	5 880	834.2	1982	83 05 - SUSP 83 07	8
128	5.76	0.160	0.30	0.90	37	880	35	5 540	1 030.9	1983	83 12 - PREV CONF	9
192	7.56	0.220	0.19	0.85	42	896	32	6 958	1 002.3	1982	84 06	10
192	7.23	0.240	0.16	0.85	43	870	35	6 429	997.4	1983	84 01 - PREV CONF	11
												12
												13
192	3.02	0.190	0.25	0.88	50	835	50	11 322	1 186.0	1980	84 02	14
												15
												16
64	2.00	0.180	0.50	0.91	37	853	31	8 008	1 136.5	1981	82 06	17
65	3.05	0.250	0.30	0.86	52	865	31	9 310	1 174.4	1970	72 07 - ABAND 72 05	18
												19
												20
64	3.90	0.100	0.15	0.75	35	806	64	15 292	1 938.2	1979	83 12 - SUSP 80 04	21
64	4.80	0.141	0.56	0.80	83	815	59	11 128	2 023.5	1979	83 12 - SUSP 81 11	22
64	.90	0.080	0.30	0.78	80	851	61	12 817	2 051.9	1983	83 07 - PREV CONF	23
64	4.00	0.150	0.15	0.79	79	785	61	12 817	1 999.0	1981	83 09	24
												25
64	3.50	0.100	0.35	0.60	89	844	85	9 330	2 204.3	1979	83 12	26
64	8.00	0.135	0.35	0.78	89		60	12 600	2 216.3	1981	81 12 - ABAND 83 11	27
64	8.30	0.077	0.30	0.85	60	844	67	9 000	2 350.6	1981	82 06	28
4 056	4.21	0.100	0.33	0.83	58	840	56	7 400	2 189.2	1982	84 05	29
64	3.88	0.080	0.50	0.78	100	840	51	9 000	2 200.6	1982	83 05 - SUSP 84 03	30
												31
64	4.99	0.078	0.39	0.70	160	790	67	17 127	2 369.8	1982	83 11	32
64	8.97	0.079	0.37	0.83	64	830	64	10 400	2 212.0	1982	83 11	33
65	5.49	0.150	0.17	0.65	177	834	77	28 960	2 451.2	1961	61 09 - SUSP 73 07	34
64	7.70	0.075	0.45	0.67	170	820	90	24 850	2 461.6	1980	83 03	35
4 668					171	834	85	23 650	2 628.9	1957	72 07	36
												37
21	.03	0.137	0.15	0.67								38
4 647	9.02	0.137	0.15	0.67								39
												40
												41
65	2.77	0.126	0.23	0.65	158	825	93	23 650	2 714.9	1964	74 02 - ABAND 71 12	42
4 491	9.56	0.128	0.20	0.68	172	844	94	25 100	2 782.2	1955	83 12 - GPP	43
												44
												45
64	16.90	0.060	0.08	0.62	193	807	84	17 628	2 000.3	1982	83 05 - PREV CONF	46
												47
												48
1 054	7.47	0.041	0.25	0.69	148	825	61	16 310	1 859.0	1968	76 05	49
												50
												51
1 050					22	871	39	15 391	1 141.7	1981	84 10	52
415	1.33	0.140	0.17	0.93								53
635	1.11	0.150	0.15	0.93								54
64	1.70	0.110	0.15	0.93	22	871	39	15 392	1 148.5	1981	83 01	55
												56
3 106					84	870	53	17 305	1 591.0	1977	84 11	57
												58
1 790	2.12	0.150	0.34	0.82								59
1 316	2.18	0.150	0.34	0.82								60
64	2.52	0.140	0.35	0.82	90	855	54	16 962	1 583.0	1979	79 08	61
												62
64	1.85	0.150	0.30	0.82	86	870	56	16 168	1 586.5	1978	81 10	63
64	1.80	0.180	0.23	0.82	84	865	43	14 959	1 516.9	1980	81 08	64
64	2.50	0.120	0.35	0.82	68	862	50	9 000	1 625.8	1982	83 02	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction		10^3m^3				
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
HIGHVALE 051-04W5 (CONTINUED)								
LOWER MANNVILLE P	244	0.10		24.4		24.4		24.4
BANFF A	2 900	0.12		350		350	94.3	255.7
BANFF B	287	0.05		14.4		14.4	3.9	10.5
BANFF C	123	0.05		6.2		6.2	1.0	5.2
BANFF D	496	0.01		5.0		5.0	.1	4.9
BANFF E	350	<0.01		2.7		2.7	2.7	
BANFF F	375	0.02		7.5		7.5	1.0	6.5
BANFF G	553	<0.01		.1		.1	.1	
BANFF H	4 560	0.10		456		456	19.7	436.3
BANFF K	80.9	<0.01		.1		.1	.1	
BANFF M	620	0.12		74.0		74.0	17.6	56.4
HILLSDOWN 037-25W4								
D-2 A	263	0.05		13.2		13.2	5.4	7.8
D-2 B	308	0.15		46.2		46.2	32.5	13.7
HOLMBERG 044-18W4								
MANNVILLE H	103	0.10		10.3		10.3	.2	10.1
HOMEGLEN-RIMBEY 043-01W5								
ELLERSLIE A	156	<0.01		.1		.1	.1	
D-3	14 900	<0.08		1 150		1 150	1 115.1	34.9
D-3 B	1 290	0.20		258		258	22.8	235.2
HOOKER 015-29W4								
JURASSIC A	95.3	0.10		9.5		9.5	4.5	5.0
HUSSAR 025-20W4								
GLAUCONITIC A	6 980	<0.47		3 270		3 270	2 750.1	519.9
GLAUCONITIC B	1 300	0.03		39.0		39.0	29.3	9.7
GLAUCONITIC C	37.3	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842	0.07		58.9		58.9	42.3	16.6
GLAUCONITIC F	74.8	<0.06		4.4		4.4	4.4	
GLAUCONITIC G	926	0.06		55.6		55.6	48.8	6.8
GLAUCONITIC H	108	<0.08		8.1		8.1	8.1	
GLAUCONITIC K	119	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	116	0.15		17.5		17.5	15.9	1.6
GLAUCONITIC X	227	0.10		22.7		22.7	8.8	13.9
GLAUCONITIC BB	636	0.10		63.6		63.6	43.0	20.6
GLAUCONITIC DD	219	0.03		6.6		6.6	5.0	1.6
GLAUCONITIC SS	173	0.01		1.7		1.7	.3	1.4
GLAUCONITIC VV	216	0.10		21.6		21.6	5.6	16.0
GLAUCONITIC YY	221	0.10		22.1		22.1	2.4	19.7
GLAUCONITIC J	263	0.10		26.3		26.3	7.5	18.8
GLAUCONITIC FFF	32.6	0.10		3.3		3.3	1.5	1.8
GLAUCONITIC NNN	614	0.10		61.4		61.4	3.2	58.2
GLAUCONITIC RRR	364	0.10		36.4		36.4	.5	35.9
GLAUCONITIC SSS	1 170	0.10		117		117	66.6	50.4
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	2.2	3.3
GLAUCONITIC VVV	71.9	0.10		7.2		7.2	.1	7.1
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	49.3	0.01		.5		.5	.5	
OSTRACOD P	125	<0.10		11.7		11.7	11.7	
OSTRACOD X	158	<0.04		4.9		4.9	2.6	2.3
OSTRACOD BB	54.6	<0.01		.3		.3	.3	
OSTRACOD CC	49.8	0.10		5.0		5.0	3.1	1.9

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	5.95	0.130	0.40	0.82	82	882	56	16 605	1 597.0	1983	84 10 - PREV CONF	3
372	7.55	0.180	0.30	0.82	117	870	60	16 990	1 588.3	1977	84 04	4
64	4.05	0.220	0.33	0.75	117	870	60	16 840	1 580.1	1977	80 01	5
64	2.50	0.160	0.36	0.75				17 370	1 584.5	1979	80 01 - GPP	6
												7
64	8.83	0.180	0.35	0.75				17 409	1 584.2	1978	80 01	8
64	5.00	0.190	0.30	0.82	89	870	60	16 899	1 613.8	1978	81 09 - ABAND 81 05	9
64	8.00	0.122	0.25	0.80	88	870	57	18 550	1 627.5	1981	83 12 - SUSP 84 07	10
64	5.40	0.250	0.20	0.80	88	870	57	14 500	1 610.3	1981	82 04 - ABAND 82 01	11
415	10.46	0.190	0.30	0.79	102	869	54	17 506	1 607.1	1983	84 10	12
												13
64	2.00	0.150	0.48	0.81	88	866	56	16 887	1 494.9	1983	83 10 - ABAND 83 09	14
130	4.01	0.220	0.34	0.82	117	870	60	16 990	1 568.9	1977	84 04	15
												16
												17
128	6.52	0.060	0.28	0.73	141	826	64	15 396	1 972.6	1980	84 12 - GPP	18
192	6.19	0.050	0.30	0.74	158	828	77	18 330	2 016.0	1973	81 12 - GPP	19
												20
												21
64	1.50	0.210	0.40	0.85	58	856	42	7 210	1 129.7	1982	83 06 - SUSP 83 12	22
												23
												24
64	2.70	0.150	0.25	0.80	60	898	53	11 721	1 752.0	1980	83 12 - SUSP 81 11	25
4 563	7.56	0.077	0.15	0.66	165	811	83	19 550	2 415.5	1953	83 12 - GPP	26
128	17.75	0.130	0.22	0.67	159	810	83	19 547	2 390.5	1983	84 02 - PREV CONF	27
												28
												29
64	2.01	0.105	0.15	0.83	120	880	72	27 722	2 790.8	1980	84 09	30
												31
												32
675	7.07	0.210	0.14	0.81	82	844	46	10 400	1 454.2	1957	67 02	33
192	5.38	0.210	0.25	0.81	81	860	46	10 070	1 424.6	1959	79 12 - GPP	34
16	1.83	0.200	0.21	0.80	82	860	45	10 140	1 425.9	1958	64 04 - SUSP 63 01	35
90	6.10	0.225	0.16	0.81	78	849	41	10 000	1 367.0	1959	79 12 - GPP	36
												37
32	1.83	0.200	0.21	0.80	83	860	40	10 380	1 341.7	1959	64 04 - ABAND 68 07	38
209	2.96	0.221	0.23	0.88	80	860	41	9 890	1 369.2	1961	83 12 - GPP	39
21	3.70	0.210	0.18	0.80	80	860	44	10 000	1 407.3	1964	79 01 - ABAND 78 11	40
65	1.43	0.200	0.20	0.80	80	860	43	9 960	1 423.4	1959	83 12 - SUSP 76 12	41
122	.91	0.150	0.14	0.81	80	860	36	10 070	1 399.9	1965	75 12 - GPP	42
												43
65	2.74	0.210	0.25	0.81	62	839	46	10 030	1 433.5	1974	77 04 - GPP	44
177	3.05	0.210	0.30	0.80	82	844	44	10 330	1 416.4	1965	69 08	45
64	3.07	0.170	0.18	0.80	80	860	43	9 790	1 396.3	1969	82 12 - GPP	46
64	3.00	0.150	0.25	0.80	66	857	40	10 240	1 408.0	1979	81 12 - SUSP 83 12	47
64	4.40	0.160	0.40	0.80	88	860	49	10 741	1 461.8	1978	80 02 - GPP	48
												49
128	2.75	0.140	0.44	0.80	72	849	43	10 513	1 407.3	1979	83 03	50
192	1.86	0.140	0.36	0.82	80	838	44	10 418	1 428.6	1977	82 05	51
64	.70	0.140	0.35	0.80	86	847	43	10 441	1 403.7	1980	82 03	52
64	12.00	0.150	0.35	0.82	56	856	45	9 795	1 393.4	1973	83 01	53
64	5.50	0.210	0.40	0.82	56	857	45	7 970	1 485.3	1960	83 04	54
												55
708	1.53	0.202	0.33	0.80	86	860	44	9 920	1 428.0	1960	83 06	56
64	1.00	0.180	0.40	0.80	86	860	44	9 920	1 447.3	1979	83 06	57
64	1.40	0.150	0.34	0.81	79	847	46	10 143	1 380.2	1980	84 01	58
64	.76	0.230	0.10	0.79	82	860	54	10 270	1 441.7	1959	68 03 - ABAND 61 09	59
16	2.44	0.200	0.21	0.79	82	860	46	10 270	1 397.2	1959	68 03 - ABAND 63 04	60
												61
64	1.23	0.230	0.15	0.81	62	860	49	10 170	1 398.7	1965	81 12 - SUSP 80 03	62
65	2.13	0.250	0.42	0.79	64	865	37	10 100	1 291.7	1977	78 12	63
64	1.50	0.160	0.55	0.79	80	857	54	12 000	1 469.0	1980	83 01 - ABAND 82 10	64
64	1.20	0.180	0.55	0.80	56	857	41	7 265	1 415.3	1980	82 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
HUSSAR 025-20W4 (CONTINUED)								
BASAL MANNVILLE A	105	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222	0.10		22.2		22.2	11.3	10.9
BASAL MANNVILLE E	215	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	226	<0.01		.4		.4	.4	
BASAL MANNVILLE H	284	<0.01		.2		.2	.2	
BASAL MANNVILLE L	35.4	0.10		3.5		3.5	2.7	.8
BASAL MANNVILLE M	300	0.10		30.0		30.0	26.5	3.5
BASAL MANNVILLE N	318	0.08		25.4		25.4	19.0	6.4
BASAL MANNVILLE O WATER FLOOD	1 910	0.10	0.05	191	95.5	287	173.0	114.0
BASAL MANNVILLE P	248	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953	0.06		57.2		57.2	44.9	12.3
BASAL MANNVILLE Y	175	0.08		14.0		14.0	13.0	1.0
BASAL MANNVILLE KK	74.7	<0.01		.3		.3	.3	
BASAL MANNVILLE OO	488	0.10		48.8		48.8	11.2	37.6
BASAL MANNVILLE QQ	113	<0.01		.2		.2	.2	
BASAL MANNVILLE SS	651	0.10		65.1		65.1	1.9	63.2
BASAL MANNVILLE UU	71.7	<0.01		.3		.3	.3	
BASAL MANNVILLE I&Z	276	0.12		33.1		33.1	28.3	4.8
BASAL QUARTZ B	221	0.10		22.1		22.1	2.3	19.8
PEKISKO B	143	<0.01		.1		.1	.1	
HYTHE 073-09W6								
HALFWAY A	409	0.10		40.9		40.9	4.0	36.9
HALFWAY B	119	0.10		11.9		11.9	3.7	8.2
HALFWAY C	228	0.10		22.8		22.8	1.8	21.0
INNISFAIL 034-01W5								
BELLY RIVER A	1 740	0.10		174		174	5.0	169.0
BELLY RIVER C	590	0.10		59.0		59.0		59.0
BLAIRMORE	88.5	<0.06		4.9		4.9	4.9	
D-3	19 700	0.60		11 800		11 800	10 740.7	1 059.3
IRON SPRINGS 011-20W4								
BOW ISLAND A	50.4	<0.07		3.5		3.5	3.5	
JAYAR 062-03W6								
DUNVEGAN A	3 450	0.10		345		345	80.5	264.5
DUNVEGAN B	233	0.10		23.3		23.3	7.2	16.1
JOARCAM 048-21W4								
VIKING TOTAL	39 400			14 800	2 440	17 200	14 972.5	2 227.5
PRIMARY AREA	14 100	0.38		5 360		5 360		
WATER FLOOD AREA	20 800	<0.37	0.10	7 610	2 080	9 690		
GAS CYCLING AREA	4 500	0.40	0.08	1 800	360	2 160		
VIKING C	115	0.05		5.8		5.8	1.6	4.2
WABAMUN A	146	<0.01		.2		.2	.2	
JOFFRE 038-26W4								
VIKING TOTAL	14 800			2 490	3 670	6 160	5 723.0	437.0
PRIMARY AREA	325	0.15		48.0		48.0		
WATER FLOOD AREA	14 500	<0.17	0.26	2 440	3 670	6 110		
VIKING B	497	0.30		149		149	112.0	37.0
BLAIRMORE A	192	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304	0.13		39.4		39.4	32.7	6.7
BLAIRMORE F	76.3	0.10		7.6		7.6	2.3	5.3
D-2 TOTAL	26 900			8 040	1 600	9 640	6 542.0	3 098.0

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
33	2.13	0.220	0.14	0.80	82	849	46	10 340	1 429.8	1957	68 03 - ABAND 63 07	3
64	2.74	0.200	0.21	0.80	82	849	47	10 340	1 467.3	1957	71 03 - GPP	4
32	6.40	0.168	0.23	0.80	82	849	44	10 140	1 418.5	1959	64 04 - SUSP 63 01	5
33	5.79	0.200	0.25	0.80	82	849	43	10 340	1 399.9	1960	64 04 - SUSP 62 03	6
												7
32	7.32	0.200	0.25	0.80	82	849	43	10 000	1 417.3	1960	68 03 - ABAND 61 12	8
16	1.83	0.200	0.25	0.80	82	849	46	10 310	1 499.3	1961	77 07 - SUSP 83 12	9
146	2.16	0.170	0.30	0.80	82	849	44	10 170	1 417.9	1964	82 12 - GPP	10
133	2.13	0.200	0.30	0.80	82	849	42	10 200	1 421.3	1964	83 12 - GPP	11
357	6.13	0.176	0.38	0.80	81	849	44	10 100	1 414.6	1964	84 12 - GPP	12
												13
												14
65	4.57	0.150	0.30	0.80	82	849	44	10 140	1 426.2	1964	83 12 - SUSP 81 04	15
317	2.32	0.200	0.19	0.80	82	849	46	10 650	1 457.9	1959	82 12 - GPP	16
65	2.32	0.200	0.26	0.79	82	849	42	9 860	1 426.8	1959	77 12 - GPP	17
65	1.83	0.120	0.35	0.81	84	849	44	10 200	1 409.7	1969	70 08 - SUSP 70 01	18
80	9.17	0.160	0.48	0.80	61	877	37	10 180	1 440.9	1977	84 12	19
												20
64	2.00	0.170	0.35	0.80	82	840	43	11 256	1 520.0	1979	83 12 - SUSP 81 04	21
64	11.50	0.170	0.35	0.80	63	865	39	8 727	1 499.7	1980	81 07 - SUSP 84 09	22
64	2.00	0.140	0.50	0.80	84	857	42	10 676	1 481.9	1980	84 12 - SUSP 83 08	23
50	4.78	0.190	0.24	0.80	84	849	38	10 340	1 441.7	1955	83 12 - GPP	24
64	4.80	0.180	0.50	0.80	70	870	30	9 736	1 335.8	1981	83 02	25
												26
64	5.00	0.080	0.32	0.82	75	854	47	10 169	1 441.5	1980	81 10 - ABAND 83 02	27
												28
												29
128	7.14	0.090	0.28	0.69	149	829	64	22 263	2 260.5	1981	83 03 - GPP	30
64	5.50	0.063	0.20	0.67	155	825	62	21 888	2 203.0	1978	82 12 - GPP	31
64	6.90	0.095	0.20	0.68	133	827	75	14 700	2 168.3	1981	82 08	32
												33
												34
192	12.70	0.150	0.44	0.88	36	816	36	5 240	1 208.5	1982	84 05	35
64	11.90	0.160	0.45	0.88	36	876	43	5 240	1 292.8	1983	84 05 - PREV CONF	36
16	4.88	0.200	0.15	0.66	154	834	78	16 800	2 053.7	1956	64 04 - SUSP 60 06	37
3 034	23.47	0.060	0.13	0.53	300	806	92	24 510	2 615.8	1957	72 02	38
												39
												40
64	.93	0.150	0.40	0.94	25	876	21	5 558	868.3	1977	84 08 - SUSP 81 12	41
												42
												43
758	9.10	0.110	0.30	0.65	185	752	66	23 965	2 330.1	1979	81 12	44
64	7.84	0.102	0.30	0.65	185	752	76	22 430	2 394.0	1981	81 12	45
												46
												47
8 173					34	834	36	6 000	990.0	1949	82 12	48
3 464	3.19	0.197	0.28	0.90								49
3 915	4.25	0.193	0.28	0.90								50
794	4.44	0.197	0.28	0.90								51
												52
128	.95	0.170	0.38	0.90	45	859	32	5 212	1 000.6	1981	84 11	53
64	6.50	0.075	0.45	0.85	64	836	40	7 403	1 188.8	1980	84 12 - SUSP 83 10	54
												55
												56
8 219					67	820	51	7 720	1 517.6	1953	79 08 - GPP	57
539	1.08	0.111	0.38	0.81								58
7 680	3.39	0.111	0.38	0.81								59
640	1.36	0.110	0.36	0.81	66	817	56	7 843	1 570.4	1981	84 12	60
												61
32	7.96	0.130	0.28	0.80	71	860	71	14 130	1 754.1	1958	64 04 - ABAND 70 06	62
162	2.44	0.130	0.25	0.79	76	860	67	14 550	1 733.1	1959	75 12 - GPP	63
65	2.44	0.100	0.40	0.80	84	870	67	14 850	1 723.9	1975	77 06 - GPP	64
10 543					130	815	77	17 510	2 134.5	1956	82 12 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
JOFFRE 038-26W4 (CONTINUED)								
PRIMARY AREA	253	0.15		38.0		38.0		
WATER FLOOD AREA	26 600	0.30	0.06	8 000	1 600	9 600		
JOHNSON 017-14W4								
DETRITAL A	13.9	0.10		1.4		1.4	.2	1.2
JOSEPHINE 083-09W6								
KISKATINAW B	149	0.02		3.0		3.0	1.1	1.9
JUDY CREEK 063-11W5								
VIKING A	6 000	0.15		900		900	588.7	311.3
VIKING D	307	<0.01		.1		.1	.1	
BEAVERHILL LAKE A WATER FLOOD	130 000	0.16	0.26	20 800	33 800	54 600	43 409.3	11 190.7
BEAVERHILL LAKE B WATER FLOOD	41 300	0.20	0.25	8 260	10 300	18 600	14 517.2	4 082.8
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE WATER FLOOD	1 110	0.20	0.15	222	167	389	305.2	83.8
BEAVERHILL LAKE B	489	0.12		58.7		58.7	38.5	20.2
BEAVERHILL LAKE C	1 500	0.05		75.2		75.2	57.8	17.4
JUMPBUSH 020-19W4								
UPPER MANNVILLE A	2 820	0.10		282		282	70.6	211.4
UPPER MANNVILLE E	384	0.15		57.6		57.6	31.3	26.3
UPPER MANNVILLE F	265	0.10		26.5		26.5	10.4	16.1
UPPER MANNVILLE G	102	0.01		1.0		1.0	.5	.5
KAKUT 075-03W6								
CHARLIE LAKE A	284	0.10		28.4		28.4	8.0	20.4
KAKWA 063-05W6								
MAIN CARDIUM A	1 020	0.05		51.0		51.0	13.8	37.2
MAIN CARDIUM C	34.6	0.05		1.7		1.7	.1	1.6
A CARDIUM A TOTAL	2 730			410	260	670	137.1	532.9
PRIMARY AREA	134	0.15		20.1		20.1		
GAS FLOOD AREA	2 600	0.15	0.10	390	260	650		
C CARDIUM A	291	0.13		37.8		37.8	15.8	22.0
C CARDIUM B	84.3	0.12		10.1		10.1	4.9	5.2
KAYBOB 064-19W5								
GETHING C	186	<0.01		.1		.1	.1	
GETHING D	205	<0.01		.7		.7	.7	
CADOMIN B	5 760	<0.02		80.0		80.0	68.7	11.3
CADOMIN C	72.9	0.10		7.3		7.3	5.1	2.2
NISKU C	1 100	0.05		55.0		55.0	7.5	47.5
BEAVERHILL LAKE A WATER FLOOD	47 700	0.16	0.26	7 630	12 400	20 000	14 716.7	5 283.3
BEAVERHILL LAKE B	1 270	0.16		203		203	89.7	113.3
KAYBOB SOUTH 060-19W5								
DUNVEGAN A	174	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808	0.10		80.8		80.8	10.7	70.1
BLUESKY A	63.9	<0.01		.6		.6	.6	
GETHING C	98.7	<0.01		.4		.4	.4	
TRIASSIC A TOTAL	34 200			5 820	10 200	16 000	10 178.0	5 822.0
PRIMARY AREA	248	0.15		37.3		37.3		
WATER FLOOD AREA	34 000	0.17	0.30	5 780	10 200	16 000		

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA	10 AVERAGE PAY THICKNESS	11 POROSITY	12 WATER SATURATION	13 SHRINKAGE	14 INITIAL SOLUTION G O R	15 DENSITY	16 TEMP.	17 INITIAL PRESSURE	18 MEAN FORMATIONAL DEPTH	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m^3/m^3	kg/m^3	°C	kPa	m			
200	8.80	0.044	0.23	0.73								3
10 343	10.40	0.044	0.23	0.73								4
16	1.00	0.220	0.52	0.82	70	888	54	11 500	1 033.0	1983	83 10 - PREV CONF	7
64	4.90	0.097	0.30	0.70	150	904	51	15 130	1 749.7	1975	82 12 - SUSP 81 12	10
4 206	1.46	0.170	0.34	0.87	48	839	54	9 061	1 409.3	1969	83 05 - GPP	13
65	4.57	0.170	0.30	0.87	51	849	48	8 360	1 486.2	1977	83 12 - SUSP 78 01	14
11 616	20.85	0.090	0.16	0.71	122	820	96	24 200	2 641.1	1959	82 12	15
4 538	19.54	0.092	0.17	0.61	184	815	97	24 820	2 695.0	1959	82 12	18
956	3.60	0.069	0.18	0.57	229	815	85	24 820	2 738.6	1961	84 12	22
400	4.47	0.050	0.23	0.71	112	815	89	25 350	2 707.5	1961	82 06	24
1 230	3.08	0.068	0.18	0.71	112	815	84	23 170	2 726.1	1971	75 12	25
341	6.20	0.210	0.25	0.85	75	876	41	11 940	1 368.0	1977	82 06	28
128	2.10	0.210	0.20	0.85	75	876	41	11 700	1 350.7	1977	82 06	29
64	4.62	0.160	0.30	0.80	93	865	39	11 980	1 344.3	1976	79 07 - GPP	30
64	1.70	0.180	0.35	0.80	90	865	36	12 521	1 354.5	1980	83 12 - GPP	31
128	2.84	0.135	0.32	0.85	68	847	49	13 715	1 510.0	1982	84 01	34
320	5.34	0.110	0.18	0.66	192	790	53	20 248	1 813.4	1979	81 12	37
64	1.41	0.086	0.28	0.62	132	798	53	20 209	1 757.6	1979	81 07 - SUSP 83 08	38
1 664					254	794	52	21 200	1 834.9	1978	84 12 - GPP	39
256	.92	0.120	0.20	0.59							- MRL	40
1 408	3.26	0.120	0.20	0.59								42
256	1.51	0.150	0.15	0.59	300	780	52	21 213	1 852.7	1979	80 07	43
140	.80	0.150	0.15	0.59	268	790	55	20 558	1 785.6	1980	83 12 - GPP	44
64	6.70	0.100	0.49	0.85	48	885	71	8 100	1 754.2	1981	83 12 - SUSP 82 09	47
64	2.70	0.170	0.17	0.84	96	874	60	14 175	1 753.9	1981	84 12 - SUSP 83 03	48
1 040	5.82	0.160	0.30	0.85	57	887	73	14 480	1 810.5	1962	83 12 - GPP	49
45	1.83	0.160	0.30	0.79	56	892	66	14 200	1 740.6	1966	83 12 - GPP	50
64	36.00	0.072	0.15	0.78	100	837	74	13 880	2 541.5	1978	82 12 - GPP	52
7 288	18.29	0.074	0.22	0.62	199	811	113	31 920	2 980.9	1957	65 02	53
501	8.78	0.064	0.26	0.61	435	797	109	30 270	2 949.5	1961	76 08	55
64	3.64	0.160	0.40	0.78	94	830	60	12 410	1 618.4	1977	79 11 - ABAND 83 01	58
256	4.33	0.130	0.34	0.85	82	831	55	13 710	1 658.6	1979	82 09 - GPP	59
65	1.52	0.120	0.28	0.75	103	829	82	12 800	2 024.8	1976	83 12 - ABAND 80 02	60
64	3.06	0.120	0.40	0.70	156	824	82	14 451	2 077.8	1979	84 12 - SUSP 84 09	61
8 312					123	815	86	17 450	2 095.5	1963	84 08	63
128	2.79	0.110	0.11	0.71								64
8 184	6.26	0.105	0.11	0.71								65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
KEHO 011-22W4								
COLORADO A	388	0.10		38.8		38.8	24.1	14.7
BOW ISLAND C	345	0.03		10.4		10.4	5.4	5.0
BOW ISLAND F	189	0.10		18.9		18.9	2.9	16.0
ELKTON A	192	0.08		15.4		15.4	9.0	6.4
PEKISKO A	242	<0.02		2.7		2.7	2.7	
KILLAM 043-10W4								
UPPER VIKING B	318	0.15		47.7		47.7	44.2	3.5
UPPER VIKING C	44.8	0.05		2.3		2.3	2.3	
UPPER VIKING D	28.4	0.10		2.8		2.8	.5	2.3
UPPER VIKING E	70.0	0.10		7.0		7.0	.3	6.7
UPPER VIKING H	388	0.10		38.8		38.8	4.1	34.7
GLAUCONITIC S	2 300	0.20		460		460	43.9	416.1
KNAPPEN 001-11W4								
LOWER MANNVILLE A	318	0.10		31.8		31.8	28.2	3.6
LOWER MANNVILLE B	278	<0.01		.6		.6	.6	
LOWER MANNVILLE C	378	0.08		30.4		30.4	21.4	9.0
LOWER MANNVILLE F	229	0.05		11.5		11.5	3.8	7.7
KNOPCIK 074-10W6								
CHARLIE LAKE A	222	0.10		22.2		22.2	.1	22.1
HALFWAY A	193	0.10		19.3		19.3	.4	18.9
LACOMBE 040-25W4								
NISKU A	113	0.13		14.7		14.7	12.8	1.9
NISKU B	130	0.30		39.0		39.0	2.5	36.5
NISKU C	284	0.20		56.8		56.8	3.5	53.3
LANAWAY 036-03W5								
CARDIUM	2 920	0.10		292		292	164.2	127.8
CARDIUM B	292	<0.01		.6		.6	.6	
CARDIUM C	732	0.10		73.2		73.2	26.3	46.9
SECOND WHITE SPECKS A	334	0.04		13.4		13.4	11.1	2.3
MANNVILLE	3 500	0.10		350		350	163.2	186.8
MANNVILLE B	320	0.05		16.0		16.0	4.5	11.5
MANNVILLE C	23.0	0.10		2.3		2.3	.2	2.1
MANNVILLE D	145	0.10		14.5		14.5	4.2	10.3
MANNVILLE E	391	0.03		11.7		11.7	.4	11.3
MANNVILLE F	223	<0.01		.3		.3	.3	
GLAUCONITIC A & BASAL QUARTZ A	229	0.03		7.0		7.0	1.0	6.0
ELKTON A	481	0.10		48.1		48.1	4.2	43.9
PEKISKO A	101	0.10		10.1		10.1	2.5	7.6
D-3 A	245	0.01		2.4		2.4	2.4	
LARNE 116-03W6								
MUSKEG B	144	0.10		14.4		14.4	8.5	5.9
KEG RIVER A	477	<0.03		11.6		11.6	11.6	
KEG RIVER B	340	0.10		34.0		34.0	23.1	10.9
KEG RIVER C	718	0.07		50.3		50.3	44.3	6.0
KEG RIVER D	397	0.20		79.4		79.4	61.4	18.0
KEG RIVER E	338	0.20		67.7		67.7	47.2	20.5
KEG RIVER F	127	0.10		12.7		12.7	10.7	2.0
KEG RIVER G	284	<0.14		37.8		37.8	37.8	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
256	1.25	0.187	0.28	0.90	24	870	38	7 580	1 133.2	1974	75 09 - GPP	4
65	6.95	0.163	0.50	0.94	20	839	49	3 480	1 175.6	1975	80 12 - GPP	5
64	3.80	0.150	0.45	0.94	23	865	30	4 000	997.1	1981	82 06	6
64	3.05	0.160	0.14	0.71	128	839	42	14 840	1 550.2	1973	83 12 - GPP	7
64	19.00	0.030	0.15	0.78	92	878	50	18 777	1 902.5	1979	83 12 - ABAND 83 10	9
244	1.16	0.190	0.35	0.91	38	849	27	9 560	783.3	1958	75 12 - GPP	12
32	1.22	0.250	0.50	0.91	39	849	28	5 630	788.2	1973	83 12 - SUSP 80 12	13
32	1.30	0.150	0.50	0.91	39	887	37	5 020	788.5	1971	79 06	14
64	1.50	0.160	0.50	0.91	39	854	34	6 220	817.3	1979	79 10	15
160	2.15	0.210	0.41	0.91	26	851	36	4 490	795.5	1981	84 11	17
273	4.50	0.260	0.20	0.90	39	860	34	6 540	948.7	1979	84 08	18
97	2.44	0.200	0.30	0.96	18	820	28	9 510	961.3	1965	77 12	21
65	2.44	0.250	0.20	0.88	42	829	28	6 840	831.8	1966	83 12 - SUSP 76 02	22
130	1.52	0.250	0.20	0.96	18	844	34	6 030	814.4	1972	73 12 - GPP	23
64	3.70	0.200	0.45	0.88	51	830	29	6 500	810.9	1975	83 12 - GPP	24
64	3.30	0.200	0.25	0.70	120	821	76	13 500	2 124.9	1981	82 11 - SUSP 84 08	27
64	7.99	0.084	0.35	0.69	149	807	64	21 119	2 201.7	1982	83 03	28
64	6.18	0.060	0.32	0.70			70		1 992.8	1958	78 12 - GPP	31
64	7.40	0.050	0.25	0.73	105	810	73	10 200	1 984.3	1982	82 11	32
128	6.69	0.060	0.21	0.70	143	822	67	17 025	1 972.2	1982	84 01 - PREV CONF	33
1 869	2.35	0.110	0.28	0.84	53	825	54	21 678	1 807.5	1960	82 07	36
129	3.66	0.090	0.22	0.88	53	839	54		1 773.6	1973	73 12 - ABAND 73 11	37
256	4.30	0.110	0.28	0.84	53	825	54	20 430	1 776.9	1960	83 04	38
65	8.53	0.120	0.30	0.72	89	865	59	21 900	1 860.0	1977	83 12 - GPP	39
840	6.60	0.110	0.25	0.76	71	876	60	16 690	2 274.9	1959	83 11	42
64	6.80	0.124	0.22	0.76	76	853	76	18 783	2 320.5	1981	84 01	43
64	1.00	0.090	0.50	0.80	88	853	64	10 266	2 298.5	1981	82 06 - GPP	44
64	3.70	0.120	0.25	0.68	134	861	72	18 653	2 294.2	1981	83 03	45
64	15.90	0.100	0.52	0.80	100	892	66	10 100	2 356.3	1982	84 12	46
64	6.00	0.150	0.43	0.68	152	843	82	19 919	2 237.8	1980	84 07 - SUSP 83 04	48
128	4.07	0.090	0.39	0.80					2 229.0	1979	82 05 - GPP	49
65	15.24	0.100	0.35	0.75	103	904	74	18 150	2 393.3	1974	75 01	51
64	5.26	0.060	0.35	0.77	99	876	64	17 430	2 267.3	1977	84 03	52
65	7.92	0.100	0.15	0.56	261	788	82	24 240	2 923.3	1964	73 02 - SUSP 72 09	54
35	17.68	0.040	0.35	0.90	35	898	64	13 650	1 407.3	1973	80 11 - GPP	57
28	30.42	0.078	0.20	0.90	22	887	69	13 470	1 429.8	1969	73 02 - SUSP 72 04	58
17	37.45	0.075	0.20	0.89	37	898	61	13 460	1 415.8	1968	83 12 - GPP	59
16	60.96	0.092	0.10	0.88	46	898	61	13 710	1 427.1	1968	81 12	60
9	72.10	0.089	0.21	0.87	38	876	70	13 800	1 467.3	1968	83 01	62
17	39.93	0.071	0.20	0.88	31	876	72	13 470	1 425.2	1969	73 12	63
21	29.75	0.032	0.30	0.89	37	892	61	12 890	1 399.6	1969	78 07 - GPP	64
13	47.61	0.061	0.15	0.89	35	898	63	13 410	1 410.3	1969	83 12 - SUSP 79 09	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

POOL	1 INITIAL VOLUME IN-PLACE	2 POOL RECOVERY PRIMARY	3 POOL RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
LARNE 116-03W6 (CONTINUED)								
KEG RIVER H	413	0.03		12.4		12.4	11.7	.7
KEG RIVER I	478	<0.05		19.6		19.6	19.6	
KEG RIVER J	510	<0.02		7.7		7.7	7.7	
KEG RIVER K	397	0.20		79.5		79.5	51.5	28.0
KEG RIVER L	292	0.04		11.7		11.7	9.3	2.4
KEG RIVER M	280	0.20		56.0		56.0	5.8	50.2
KEG RIVER N	238	<0.07		14.5		14.5	14.5	
KEG RIVER O	143	0.30		42.9		42.9	26.9	16.0
KEG RIVER P	346	0.10		34.6		34.6	13.2	21.4
KEG RIVER Q	159	0.10		15.9		15.9	10.8	5.1
KEG RIVER R	159	0.25		39.8		39.8	30.2	9.6
KEG RIVER S	600	0.03		18.0		18.0	9.8	8.2
KEG RIVER T	1 100	0.20		220		220	2.1	217.9
KEG RIVER U	168	0.20		33.6		33.6	4.2	29.4
KEG RIVER V	2 400	0.20		480		480	8.0	472.0
KEG RIVER X	423	0.20		84.6		84.6		84.6
LATOR 063-02W6								
DUNVEGAN A	1 540	0.10		154		154	110.4	43.6
LEAHURST 039-18W4								
VIKING E	293	0.10		29.3		29.3		29.3
MANNVILLE C	70.9	0.05		3.5		3.5	1.0	2.5
MANNVILLE M	153	0.10		15.3		15.3	1.1	14.2
BASAL QUARTZ A	110	0.05		5.5		5.5	1.3	4.2
BASAL QUARTZ B	45.9	<0.01		.2		.2	.2	
BASAL QUARTZ C	137	0.10		13.7		13.7	1.2	12.5
LEAMAN 055-12W5								
LOWER MANNVILLE G	326	0.10		32.6		32.6	5.5	27.1
LOWER MANNVILLE I	103	0.10		10.3		10.3	.5	9.8
NORDEGG A	383	0.10		38.3		38.3	.8	37.5
LEDUC-WOODBEND 050-26W4								
BLAIRMORE A	1 450	0.20		290		290	267.1	22.9
BLAIRMORE B	27.3	<0.08		2.1		2.1	2.1	
BLAIRMORE C	63.1	<0.01		.1		.1	.1	
BLAIRMORE D	404	<0.03		9.8		9.8	9.8	
BLAIRMORE E	605	0.04		24.2		24.2	23.3	.9
BLAIRMORE G	130	<0.01		.7		.7	.7	
BLAIRMORE H	37.8	<0.02		.4		.4	.4	
BLAIRMORE J	1 160	0.50		580		580	559.5	20.5
BLAIRMORE K	307	0.15		46.1		46.1	41.9	4.2
BLAIRMORE CC	256	0.02		5.1		5.1	1.0	4.1
BLAIRMORE GG	145	<0.01		.2		.2	.2	
BLAIRMORE KK	248	0.10		24.8		24.8	1.5	23.3
D-1 A	159	<0.03		4.0		4.0	4.0	
D-1 B	54.7	<0.18		9.8		9.8	9.8	
D-2 A WATER FLOOD	32 700	<0.34	0.10	10 900	3 270	14 200	14 015.5	184.5
D-2 B	11 600	0.28		3 260		3 260	3 230.0	30.0
D-2 C	413	0.52		215		215	213.2	1.8
D-2 D	99.5	0.57		56.7		56.7	51.3	5.4
D-2 E	192	0.63		121		121	114.2	6.8
D-2 F	318	0.20		63.6		63.6	52.2	11.4
D-3 A WATER FLOOD	61 400	0.55	0.08	33 800	4 910	38 700	38 243.6	456.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
14	56.93	0.071	0.18	0.89	27	887	62	13 090	1 417.6	1971	84 05 - GPP	3
13	47.37	0.098	0.10	0.88	39	881	62	13 070	1 409.1	1971	81 12 - SUSP 79 12	4
15	42.34	0.107	0.13	0.89	35	887	61	12 450	1 421.3	1971	83 12 - SUSP 80 02	5
13	48.62	0.083	0.18	0.90	35	887	61	13 310	1 408.2	1972	75 12 - GPP	6
												7
11	58.61	0.066	0.22	0.88	43	887	50	13 130	1 444.4	1971	84 05	8
12	38.60	0.084	0.18	0.88	35	892	64	13 170	1 413.7	1972	84 12	9
27	22.77	0.055	0.20	0.88	33	892	54	14 420	1 397.2	1972	81 12 - SUSP 80 04	10
7	40.14	0.064	0.15	0.90	31	904	64	14 820	1 406.7	1971	73 07 - GPP	11
16	38.10	0.078	0.20	0.90	35	910	70	13 360	1 410.6	1972	80 11 - GPP	12
												13
14	17.98	0.078	0.11	0.90	27	904	63	13 560	1 411.8	1971	81 12 - GPP	14
25	18.17	0.049	0.20	0.89	45	881	62	13 830	1 413.4	1969	83 12 - GPP	15
28	57.33	0.070	0.40	0.89	22	869	80	13 622	1 445.5	1982	84 12	16
64	43.50	0.060	0.25	0.88	38	920	61	6 930	1 412.3	1983	83 08 - SUSP 83 12	17
19	18.00	0.050	0.13	0.88	38	909	61	6 930	1 408.5	1983	84 11	18
												19
64	49.80	0.114	0.25	0.88	38	894	61	6 930	1 408.3	1983	83 08 - PREV CONF	20
64	19.50	0.050	0.23	0.88	43	884	48	6 800	1 415.4	1972	84 08	21
												22
												23
612	2.83	0.174	0.30	0.73	119	829	67	22 830	2 174.4	1957	71 04	24
												25
												26
64	7.40	0.125	0.45	0.90	35	876	43	6 545	1 100.9	1982	83 03	27
64	.92	0.210	0.40	0.95	18	892	44	10 480	1 262.8	1974	84 12 - GPP	28
64	2.70	0.150	0.38	0.95	16	877	39	10 581	1 284.0	1982	82 12 - SUSP 83 05	29
64	2.50	0.150	0.46	0.85	57	897	55	10 726	1 299.7	1978	84 12	30
												31
64	1.10	0.150	0.45	0.79	88	860	55	10 575	1 303.9	1979	84 12 - SUSP 84 12	32
64	2.40	0.150	0.30	0.85	66	873	46	9 335	1 235.2	1980	80 12 - SUSP 84 07	33
												34
												35
128	4.13	0.120	0.35	0.79	87	886	71	15 110	1 877.6	1981	84 06	36
64	2.30	0.130	0.32	0.79	84	890	56	10 300	1 904.4	1982	84 09	37
64	11.90	0.117	0.50	0.86	65	878	50	11 000	1 614.9	1981	82 05	38
												39
												40
338	3.90	0.183	0.23	0.78	94	834	57	9 790	1 305.2	1951	81 12 - GPP	41
16	1.86	0.150	0.25	0.81	93	834	57	9 650	1 297.8	1954	71 12 - ABAND 62 06	42
16	4.57	0.150	0.28	0.79	93	825	58	10 170	1 316.7	1954	62 05 - ABAND 56 08	43
69	8.23	0.150	0.45	0.86	53	887	57	10 340	1 376.2	1952	74 04 - ABAND 74 03	44
												45
65	10.97	0.150	0.28	0.79	98	825	60	10 240	1 347.8	1952	62 10 - GPP	46
16	9.45	0.150	0.28	0.79	93	825	59	10 240	1 358.5	1953	68 03 - ABAND 54 11	47
16	2.74	0.150	0.28	0.79	93	825	56	9 760	1 278.6	1950	68 03 - ABAND 51 05	48
224	4.15	0.200	0.20	0.78	93	825	54	9 650	1 287.5	1948	79 12 - GPP	49
119	3.05	0.143	0.28	0.82	98	825	62	10 340	1 334.7	1951	82 12 - GPP	50
												51
64	4.60	0.150	0.28	0.80	98	825	60	10 270	1 317.0	1977	79 12 - GPP	52
64	2.40	0.220	0.45	0.78	98	850	60	9 208	1 292.6	1980	80 12 - SUSP 80 11	53
64	4.00	0.220	0.45	0.80	83	827	54	7 560	1 304.3	1983	83 11 - PREV CONF	54
65	5.39	0.074	0.25	0.82	71	820	58	9 890	1 366.1	1963	75 12 - SUSP 75 03	55
98	.91	0.100	0.25	0.82	74	820	54	10 310	1 382.3	1964	68 03 - SUSP 73 05	56
												57
9 169	18.90	0.034	0.26	0.75	115	834	63	12 200	1 555.4	1947	83 12 - GPP	58
4 385	12.71	0.037	0.25	0.75	98	834	60	12 650	1 603.9	1950	61 09 - GPP	59
309	5.18	0.043	0.20	0.75	110	834	62	12 200	1 660.2	1950	83 12 - GPP	60
110	8.08	0.020	0.30	0.80	109	834	63	12 200	1 660.2	1951	83 12 - GPP	61
128	9.02	0.028	0.30	0.85	109	834	62	12 200	1 593.2	1950	81 12 - GPP	62
												63
199	8.29	0.033	0.24	0.77	111	834	64	13 070	1 653.5	1964	77 12 - GPP	64
8 812	10.80	0.100	0.14	0.75	98	825	66	13 070	1 620.0	1947	83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
LEDUC-WOODBEND 050-26W4 (CONTINUED)								
D-3 B	2 380	0.50		1 190		1 190	1 169.4	20.6
D-3 C	144	0.51		73.7		73.7	73.7	
D-3 D	113	0.39		44.3		44.3	44.3	
D-3 E	403	0.10		40.3		40.3	19.2	21.1
D-3 F	1 030	0.70		721		721	559.8	161.2
D-3 G	153	0.30		45.9		45.9	15.3	30.6
LEEDALE 042-04W5								
CARDIUM A	354	0.05		17.7		17.7	6.1	11.6
CARDIUM B	111	0.10		11.1		11.1	.7	10.4
LEGAL 057-25W4								
MIDDLE VIKING A	410	0.50		205		205	188.0	17.0
MANNVILLE B	38.1	<0.03		1.0		1.0	1.0	
LEO 036-17W4								
MANNVILLE A	442	0.03		13.3		13.3	3.0	10.3
UPPER MANNVILLE A	843	0.10		84.3		84.3	7.1	77.2
LOWER MANNVILLE B	172	0.05		8.6		8.6	2.0	6.6
LOWER MANNVILLE C	163	0.10		16.3		16.3	1.2	15.1
LOWER MANNVILLE D	481	0.10		48.1		48.1	.9	47.2
LITTLE SMOKY 067-22W5								
D-3	397	0.50		199		199	171.2	27.8
LOCHEND 027-03W5								
CARDIUM A	1 250	0.10		125		125	117.8	7.2
CARDIUM B	184	0.10		18.4		18.4	1.8	16.6
LONE PINE CREEK 030-28W4								
D-2 A	250	0.25		62.5		62.5	29.2	33.3
D-3 A	2 350	<0.02		29.0		29.0	29.0	
LONG COULEE 016-21W4								
MANNVILLE F	106	<0.02		1.1		1.1	1.1	
MANNVILLE L	265	0.02		5.3		5.3	1.2	4.1
MANNVILLE T	81.8	<0.01		.3		.3	.3	
MANNVILLE X	161	0.10		16.1		16.1	1.2	14.9
MANNVILLE Z	126	0.10		12.6		12.6	3.9	8.7
GLAUCONITIC A	182	0.10		18.2		18.2	1.4	16.8
GLAUCONITIC B	236	0.10		23.6		23.6	1.4	22.2
GLAUCONITIC C	476	0.10		47.6		47.6	7.0	40.6
GLAUCONITIC D	125	0.10		12.5		12.5	4.2	8.3
GLAUCONITIC E	61.3	0.10		6.1		6.1		6.1
GLAUCONITIC G	118	0.10		11.8		11.8		11.8
LOON 085-09W5								
SLAVE POINT A TOTAL	3 330			100	131	231	111.0	120.0
PRIMARY AREA	43.7	0.03		1.3		1.3		
WATER FLOOD AREA	3 290	0.03	0.04	98.7	131	230		
SLAVE POINT B	234	0.05		11.7		11.7		11.7
GRANITE WASH A	630	0.25		158		158	109.3	48.7
LOUSANA 036-21W4								
D-2	413	0.33		137		137	109.3	27.7
LUBICON 087-10W5								
GRANITE WASH A	787	0.10		78.7		78.7	50.2	28.5

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
751	7.99	0.060	0.13	0.76	85	825	66	13 070	1 653.5	1948	73 12 - GPP	3
53	5.18	0.080	0.13	0.76	85	825	67	13 070	1 649.6	1950	71 12 - ABAND 71 10	4
24	8.84	0.080	0.13	0.76	85	825	67	13 070	1 590.1	1949	72 05 - ABAND 66 01	5
65	10.67	0.090	0.14	0.75	85	825	48	11 620	1 634.6	1967	83 12 - GPP	6
												7
81	20.91	0.093	0.10	0.73	94	825	61	11 710	1 658.1	1968	76 02 - GPP	8
65	4.27	0.090	0.19	0.76	103	839	66	11 790	1 702.9	1974	75 11 - GPP	9
												10
												11
128	2.93	0.150	0.10	0.70	133	829	59	14 970	1 625.3	1971	79 07 - GPP	12
64	2.78	0.097	0.20	0.80	65	805	58	9 115	1 606.7	1983	83 11 - PREV CONF	13
												14
												15
213	1.55	0.180	0.25	0.92	36	876	36	5 860	853.7	1952	83 12 - GPP	16
16	1.83	0.190	0.25	0.89	30	876	43	6 900	1 070.5	1963	68 03 - ABAND 66 06	17
												18
												19
64	6.70	0.156	0.25	0.88	43	855	28	7 960	1 146.4	1974	79 12	20
64	12.20	0.200	0.40	0.90	37	855	39	5 030	1 152.9	1983	84 02	21
64	3.40	0.150	0.40	0.88	51	855	35	6 664	1 163.5	1975	79 09 - GPP	22
64	1.80	0.220	0.27	0.88	53	844	40	6 070	1 155.8	1977	83 12	23
												24
64	7.92	0.154	0.30	0.88	45	865	40	6 050	1 141.7	1978	83 12	25
												26
												27
97	12.44	0.068	0.18	0.59	205	825	90	27 790	2 660.9	1954	76 12 - GPP	28
												29
												30
1 303	1.71	0.082	0.10	0.76	119	834	68	24 990	2 241.5	1961	67 05 - GPP	31
128	2.10	0.100	0.10	0.76	106	825	54	25 920	2 250.8	1983	84 02 - PREV CONF	32
												33
												34
275	2.69	0.070	0.22	0.62	155	825	71	22 370	2 373.5	1965	82 05 - GPP	35
1 616	3.96	0.080	0.15	0.54	237	806	82	22 820	2 441.8	1963	82 12 - GPP	36
												37
												38
64	2.44	0.150	0.50	0.90	39	829	38	13 410	1 412.4	1977	83 12 - SUSP 81 08	39
65	4.27	0.200	0.40	0.80	83	860	43	13 510	1 451.5	1974	82 12	40
65	2.44	0.160	0.60	0.81	84	876	48	13 950	1 548.0	1976	79 08 - SUSP 78 11	41
64	4.50	0.140	0.50	0.80	95	860	43	13 500	1 484.3	1982	82 07	42
												43
64	2.00	0.170	0.30	0.83	80	848	43	12 866	1 505.7	1983	83 11 - PREV CONF	44
64	3.00	0.180	0.38	0.85	60	900	39	12 647	1 415.2	1982	82 09	45
64	3.00	0.190	0.19	0.80	96	846	38	11 484	1 404.0	1982	82 09	46
128	3.87	0.160	0.25	0.80	94	834	46	11 363	1 414.4	1982	82 09	47
64	2.40	0.130	0.22	0.80	94	834	46	11 363	1 482.0	1983	83 06 - PREV CONF	48
												49
64	1.10	0.160	0.32	0.80	94	834	46	11 363	1 504.4	1983	84 06 - PREV CONF	50
64	2.30	0.150	0.33	0.80	94	854	46	11 363	1 470.2	1982	84 12	51
												52
												53
1 344					24	820	48	15 130	1 415.2	1966	81 02 - GPP	54
64	2.80	0.040	0.30	0.87								55
1 280	7.96	0.053	0.30	0.87								56
64	13.80	0.050	0.39	0.87	43	825	48	4 900	1 453.0	1981	84 08	57
												58
653	1.25	0.127	0.30	0.87	51	820	77	16 510	1 526.4	1965	84 12 - GPP	59
												60
												61
203	4.08	0.069	0.14	0.84	55	839	70	14 580	1 787.7	1960	63 10 - GPP	62
												63
												64
290	2.13	0.200	0.25	0.85	60	834	44	15 890	1 447.8	1963	73 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
MAJORVILLE 018-19W4								
LOWER MANNVILLE A	160	0.05		8.0		8.0	4.0	4.0
MALMO 043-22W4								
BLAIRMORE A	1 270	0.15		191		191	180.5	10.5
D-2 A	2 570	0.44		1 130		1 130	1 104.8	25.2
D-3 A	1 600	0.50		800		800	741.3	58.7
D-3 C	70.7	<0.02		.8		.8	.8	
D-3 D	480	<0.01		1.0		1.0	1.0	
MANITO 042-20W4								
GLAUCONITIC A	167	0.10		16.7		16.7	1.5	15.2
ELLERSLIE A,B,C&D	653	0.01		6.5		6.5	.4	6.1
MANYBERRIES 005-05W4								
SUNBURST A	3 760	0.10		376		376	254.7	121.3
SUNBURST B	1 320	0.15		198		198	117.3	80.7
SUNBURST C	1 070	0.15		161		161	102.0	59.0
SUNBURST J	281	0.10		28.1		28.1	11.5	16.6
SUNBURST L	147	<0.02		2.4		2.4	2.4	
SUNBURST O	928	0.10		92.8		92.8	57.3	35.5
SUNBURST Q	3 290	0.15		494		494	121.9	372.1
SUNBURST U	419	0.10		41.9		41.9	12.7	29.2
SUNBURST CC	90.5	0.10		9.1		9.1		9.1
MARKERVILLE 036-02W5								
VIKING A	263	0.10		26.3		26.3	15.3	11.0
VIKING B	105	<0.01		.3		.3	.3	
PEKISKO B	320	<0.01		.4		.4	.4	
MARLBORO 055-19W5								
GETHING A	273	<0.01		1.2		1.2	1.2	
GETHING B	165	<0.01		.3		.3	.3	
MATZIWIN 023-14W4								
GLAUCONITIC A	1 850	0.10		185		185	8.1	176.9
LOWER MANNVILLE D	112	0.10		11.2		11.2	1.5	9.7
MCLEOD 054-15W5								
CARDIUM A	213	0.15		32.0		32.0	19.7	12.3
MEDICINE RIVER 039-03W5								
CARDIUM A	82.6	0.02		1.7		1.7	.2	1.5
CARDIUM B	154	<0.01		1.0		1.0	1.0	
VIKING A	63.6	<0.06		3.5		3.5	3.5	
VIKING D	1 850	0.15		278		278	142.0	136.0
VIKING F	33.2	0.15		5.0		5.0	4.8	.2
VIKING L	68.5	0.15		10.3		10.3		10.3
GLAUCONITIC A TOTAL	11 600			1 160	945	2 110	1 405.0	705.0
PRIMARY AREA	2 150	0.10		215		215		
WATER FLOOD AREA	9 450	0.10	0.10	945	945	1 890		
GLAUCONITIC H	228	0.10		22.8		22.8	.5	22.3
GLAUC D & OSTRACOD A TOTAL	1 990			308	213	521	314.3	206.7
PRIMARY AREA	878	0.15		132		132		
WATER FLOOD AREA	1 110	0.16	0.19	176	213	389		
OSTRACOD B	350	0.20		70.0		70.0	48.0	22.0
OSTRACOD C	583	0.15		87.4		87.4	79.0	8.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	3.66	0.160	0.50	0.85	66	876	40	12 810	1 344.5	1976	82 12 - GPP	4
203	4.08	0.252	0.24	0.80	78	825	56	10 170	1 436.5	1952	81 12	7
573	15.30	0.047	0.20	0.78	95	834	57	11 510	1 544.1	1952	83 12 - GPP	8
220	15.54	0.070	0.12	0.76	111	834	58	14 860	1 609.6	1952	83 12 - GPP	9
65	2.44	0.067	0.12	0.76	111	829	56	14 860	1 630.4	1965	73 02 - SUSP 69 08	10
64	16.90	0.074	0.25	0.80	70	886	50	12 493	1 640.9	1979	84 12 - SUSP 84 07	12
64	2.80	0.160	0.30	0.83	70	850	41	9 850	1 265.6	1980	81 02	15
64	9.20	0.190	0.27	0.80	47	856	42	6 605	1 297.2	1980	83 07	16
970	2.92	0.240	0.35	0.85	66	834	36	9 000	1 122.4	1962	81 12	19
519	2.14	0.200	0.30	0.85	71	829	61	9 070	1 227.1	1955	84 11	20
566	1.38	0.260	0.35	0.81	66	839	34	8 990	1 119.2	1967	84 12 - GPP	21
183	1.12	0.230	0.30	0.85	51	883	37	8 960	1 158.2	1963	84 03	22
65	1.52	0.270	0.35	0.85	53	855	37	8 950	1 270.4	1972	75 12 - SUSP 75 10	24
129	5.64	0.220	0.32	0.85	71	839	35	8 960	1 080.5	1973	74 07	25
884	4.13	0.170	0.39	0.87	57	838	32	9 143	1 079.5	1977	84 03	26
64	4.00	0.250	0.23	0.85	66	830	36	9 017	1 027.0	1980	81 02	27
32	2.10	0.220	0.28	0.85	32	824	33	5 516	1 145.0	1971	84 11	28
192	2.87	0.100	0.38	0.77	102	833	66	12 810	1 902.6	1977	81 02	31
64	3.10	0.120	0.41	0.75	95	852	63	9 620	1 905.3	1977	83 12 - ABAND 82 10	32
64	19.80	0.050	0.36	0.79	79	879	74	14 701	2 217.3	1980	81 08 - ABAND 83 04	33
65	7.32	0.120	0.20	0.60	239	825	97	35 120	2 802.0	1969	74 05 - ABAND 70 09	36
65	4.27	0.120	0.17	0.60	239	820	68	34 870	2 765.5	1970	73 02 - SUSP 71 06	37
256	7.73	0.200	0.45	0.85	68	883	32	9 714	999.9	1983	84 11	40
64	1.70	0.190	0.36	0.85	62	887	32	9 308	1 013.2	1983	84 02 - PREV CONF	41
72	5.02	0.100	0.30	0.84	62	834	53	9 060	1 497.2	1976	84 12 - GPP	44
64	1.52	0.124	0.10	0.75	106	898	49	19 240	1 658.4	1963	84 12	47
65	2.44	0.160	0.09	0.67	106	898	54	20 990	1 848.0	1965	69 05 - ABAND 68 08	48
130	1.07	0.100	0.32	0.67	160	844	91	20 000	1 931.8	1963	71 05 - SUSP 68 06	49
2 570	1.03	0.128	0.27	0.75	130	813	52	14 365	1 839.5	1981	84 12	50
64	.99	0.136	0.45	0.70	140	793	61	14 800	1 915.8	1982	83 03	52
64	1.20	0.170	0.25	0.70	140	786	62	13 500	1 897.6	1962	84 10	53
4 276					244	839	64	26 270	2 268.9	1964	83 03	54
768	4.35	0.130	0.25	0.66								55
3 508	4.19	0.130	0.25	0.66								56
64	7.00	0.100	0.25	0.68	159	840	73	19 880	2 054.3	1979	83 11	58
769					101	887	67	26 200	2 080.8	1963	82 01	59
700	1.31	0.160	0.20	0.75								61
577	2.29	0.140	0.20	0.75								62
296	1.75	0.125	0.22	0.69	148	849	68	19 370	2 180.5	1963	82 01	64
117	5.30	0.171	0.20	0.69	153	839	72	20 170	2 298.2	1964	77 12 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
MEDICINE RIVER 039-03W5 (CONTINUED)								
OSTRACOD H	94.7	0.04		3.8		3.8	3.8	
OSTRACOD P	470	<0.01		.5		.5	.5	
OSTRACOD R	63.6	<0.03		1.4		1.4	1.4	
OSTRACOD S	111	0.10		11.1		11.1	9.0	2.1
OSTRACOD W	315	0.15		47.3		47.3	39.3	8.0
BASAL QUARTZ B TOTAL	5 750			575	74.5	650	377.1	272.9
PRIMARY AREA	4 260	0.10		426		426		
WATER FLOOD AREA	1 490	0.10	0.05	149	74.5	224		
BASAL QUARTZ C	65.5	<0.01		.5		.5	.5	
BASAL QUARTZ D	393	<0.05		18.7		18.7	18.7	
BASAL QUARTZ F	138	<0.01		.6		.6	.6	
BASAL QUARTZ G	566	<0.04	0.04	21.6	22.6	44.2	44.2	
WATER FLOOD								
BASAL QUARTZ H	159	0.10		15.9		15.9	13.2	2.7
BASAL QUARTZ I	262	0.13		34.0		34.0	27.6	6.4
BASAL QUARTZ J	556	0.05		27.8		27.8	18.3	9.5
BASAL QUARTZ K	132	0.15		19.8		19.8	15.2	4.6
BASAL QUARTZ Y	199	<0.01		.2		.2	.2	
JURASSIC A	5 150	0.16	0.19	823	979	1 800	1 571.2	228.8
WATER FLOOD								
JURASSIC B	1 160	0.12		139		139	113.3	25.7
JURASSIC C TOTAL	9 090			1 090	2 020	3 100	1 308.5	1 791.5
PRIMARY AREA	318	0.12		38.2		38.2		
WATER FLOOD AREA	8 770	0.12	0.23	1 050	2 020	3 070		
JURASSIC D	8 140	0.17	0.21	1 380	1 700	3 080	1 451.0	1 629.0
WATER FLOOD								
JURASSIC E	281	0.15		42.2		42.2	29.1	13.1
JURASSIC K	721	0.10		72.1		72.1	48.2	23.9
JURASSIC L	128	0.03		3.8		3.8	1.9	1.9
JURASSIC N	62.1	0.10		6.2		6.2	.3	5.9
ELKTON-SHUNDA A	318	<0.04		12.0		12.0	12.0	
ELKTON-SHUNDA C	520	0.10		52.0		52.0	29.7	22.3
SHUNDA A	221	<0.01		1.8		1.8	1.8	
PEKISKO B	869	0.15	0.05	130	43.5	174	119.5	54.5
WATER FLOOD								
PEKISKO C TOTAL	2 180			71.7	64.5	136	98.7	37.3
PRIMARY AREA	885	<0.01		7.2		7.2		
WATER FLOOD AREA	1 290	0.05	0.05	64.5	64.5	129		
PEKISKO D	91.2	0.10		9.1		9.1	5.4	3.7
PEKISKO E TOTAL	3 380			338	453	791	466.5	324.5
PRIMARY AREA	365	0.10		36.5		36.5		
WATER FLOOD AREA	3 020	0.10	0.15	302	453	755		
PEKISKO G	184	<0.01		.2		.2	.2	
PEKISKO H	238	<0.02		2.7		2.7	2.7	
PEKISKO I	6 360	0.21		1 330		1 330	731.4	598.6
PEKISKO K	180	0.10		18.0		18.0	15.6	2.4
PEKISKO N	5 000	0.15		750		750	171.8	578.2
PEKISKO R	1 320	0.15		197		197	99.2	97.8
MEEKWAP 066-15W5								
D-2 A TOTAL	9 700			1 940	2 260	4 200	2 636.8	1 563.2
PRIMARY AREA	300	0.20		60.0		60.0		
WATER FLOOD AREA	9 400	0.20	0.24	1 880	2 260	4 140		
D-2 B	175	0.30		52.5		52.5	23.4	29.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
65	2.44	0.100	0.20	0.75	119	860	72	20 270	2 319.5	1965	73 12 - ABAND 73 08	3
65	10.97	0.120	0.20	0.69	155	855	59	16 150	2 206.1	1972	74 06 - ABAND 73 09	4
65	1.52	0.120	0.25	0.72	133	870	68	17 440	2 283.3	1974	76 12 - ABAND 75 06	5
98	1.83	0.110	0.25	0.75	110	849	57	19 410	2 166.8	1974	77 12	6
												7
130	3.11	0.130	0.20	0.75	119	860	71	20 170	2 281.4	1965	83 04 - GPP	8
1 352					88	892	64	16 270	2 147.9	1959	82 12	9
998	5.15	0.138	0.24	0.79								10
354	4.94	0.140	0.23	0.79								11
32	2.44	0.140	0.24	0.78	74	892	66	15 690	2 130.2	1962	65 01 - ABAND 63 08	12
												13
129	2.99	0.167	0.24	0.80	74	892	68	15 510	2 099.5	1963	83 12 - ABAND 83 12	14
64	1.83	0.200	0.25	0.78	76	898	68	16 480	2 158.9	1963	64 12 - ABAND 66 10	15
65	11.22	0.130	0.25	0.80	74	910	66	15 580	2 140.0	1963	83 12 - SUSP 82 03	16
												17
32	6.40	0.130	0.25	0.79	76	898	66	16 270	2 178.4	1963	63 10 - GPP	18
												19
64	5.22	0.140	0.30	0.80	78	898	66	16 550	2 225.0	1962	81 12 - GPP	20
64	10.47	0.140	0.25	0.79	89	898	66	17 000	2 217.7	1971	81 12 - GPP	21
121	1.52	0.130	0.30	0.79	76	892	68	18 400	2 172.6	1965	81 12 - GPP	22
65	5.18	0.096	0.22	0.79	87	898	66	16 130	2 239.4	1974	75 11 - SUSP 75 09	23
1 289	4.69	0.142	0.25	0.80	90	887	63	16 000	2 153.1	1956	75 08	24
												25
												26
303	5.03	0.132	0.27	0.79	88	887	69	16 000	2 135.4	1961	64 04 - GPP	27
1 699					84	892	63	16 410	2 182.4	1961	76 01	28
141	2.50	0.152	0.25	0.79								29
1 558	6.25	0.152	0.25	0.79								30
689	14.11	0.145	0.25	0.77	83	887	68	16 200	2 141.2	1962	76 09 - GPP	31
												32
												33
64	7.01	0.110	0.25	0.76	94	887	70	16 790	2 197.9	1962	83 12 - GPP	34
160	5.85	0.130	0.25	0.79	86	892	66	19 030	2 175.1	1974	83 12	35
64	3.00	0.110	0.17	0.73	130	803	99	15 472	2 148.8	1980	81 11 - GPP	36
64	2.40	0.070	0.25	0.77	105	888	69	12 397	2 146.7	1980	83 05	37
64	7.21	0.100	0.18	0.84	75	915	71	17 000	2 248.2	1962	83 12 - SUSP 77 08	38
												39
65	12.50	0.098	0.20	0.82	77	876	49	18 330	2 328.4	1974	75 05	40
65	5.18	0.110	0.20	0.75	121	910	77	18 640	2 290.0	1972	74 12 - SUSP 74 10	41
196	5.61	0.119	0.16	0.79	62	898	70	16 340	2 161.9	1959	84 12 - GPP	42
												43
362					62	898	69	16 200	2 156.2	1961	83 12 - GPP	44
												45
128	15.79	0.072	0.22	0.78								46
234	12.55	0.072	0.22	0.78								47
32	4.88	0.087	0.15	0.79	62	898	68	16 070	2 152.2	1961	82 12 - GPP	48
622					75	887	71	16 240	2 194.0	1963	75 04	49
32	13.11	0.130	0.17	0.80								50
												51
590	7.86	0.098	0.17	0.80								52
64	7.62	0.060	0.29	0.88	44	972	70	14 580	2 155.5	1964	64 12 - ABAND 71 10	53
65	13.78	0.050	0.34	0.81	62	904	71	16 030	2 144.6	1964	68 03 - ABAND 70 09	54
928	10.45	0.100	0.18	0.80	88	898	71	16 890	2 207.7	1954	77 12 - GPP	55
65	7.89	0.053	0.18	0.81	62	898	71	16 240	2 188.5	1965	77 12 - GPP	56
												57
1 002	8.00	0.100	0.22	0.80	74	844	82	16 320	2 139.3	1963	82 06	58
264	6.61	0.110	0.15	0.81	74	892	73	16 480	2 147.9	1973	78 06	59
												60
												61
2 210					120	844	80	20 770	2 347.0	1966	82 12	62
178	6.18	0.046	0.20	0.74								63
2 032	8.65	0.085	0.15	0.74								64
64	11.24	0.038	0.20	0.80				19 944	2 325.3	1971	75 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	MEEKWAP 066-15W5 (CONTINUED)								
3	D-2 C	96.3	<0.01		.1		.1	.1	
4	D-2 D	334	0.10		33.4		33.4	22.4	11.0
5	D-2 E	178	0.10		17.8		17.8	1.1	16.7
6	D-2 F	432	0.20		86.4		86.4	11.0	75.4
7									
8	MICHICHI 031-17W4								
9	UPPER MANNVILLE A	126	0.03		3.8		3.8	.6	3.2
10	LOWER MANNVILLE A	499	0.10		49.9		49.9	7.5	42.4
11	LOWER MANNVILLE B	304	0.10		30.4		30.4	1.4	29.0
12									
13	MIKWAN 037-23W4								
14	VIKING C	65.9	0.10		6.6		6.6	.7	5.9
15	VIKING D	17.3	0.10		1.7		1.7	.8	.9
16	UPPER MANNVILLE F	1 340	0.01		13.4		13.4	3.1	10.3
17	UPPER MANNVILLE G	193	0.10		19.3		19.3	1.9	17.4
18									
19	UPPER MANNVILLE H	341	0.10		34.1		34.1	7.9	26.2
20	LOWER MANNVILLE H	63.5	0.10		6.4		6.4	2.0	4.4
21	LOWER MANNVILLE J	698	0.10		69.8		69.8	4.2	65.6
22	D-2 A	544	0.20		109		109	54.6	54.4
23	D-2 B	553	0.20		111		111	35.7	75.3
24									
25	D-2 C	290	0.20		58.0		58.0	8.7	49.3
26	D-3 A	339	0.04		13.6		13.6	8.7	4.9
27	D-3 B	645	0.20		129		129	28.9	100.1
28									
29	MINNEHIK-BUCK LAKE 045-05W5								
30	BELLY RIVER A	215	0.10		21.5		21.5	6.7	14.8
31	BELLY RIVER B	238	0.10		23.8		23.8	4.3	19.5
32	BELLY RIVER C	200	0.15		30.0		30.0	8.4	21.6
33	BELLY RIVER E	250	0.10		25.0		25.0	4.2	20.8
34									
35	BELLY RIVER F	538	0.10		53.8		53.8	7.7	46.1
36	BELLY RIVER G	704	0.10		70.4		70.4	2.5	67.9
37	BELLY RIVER J	182	0.10		18.2		18.2	1.5	16.7
38	CARDIUM A	181	0.08		14.5		14.5	10.1	4.4
39	CARDIUM E	102	0.10		10.2		10.2	.4	9.8
40									
41	CARDIUM J	5 490	0.08		439		439	65.8	373.2
42	CARDIUM L	699	0.10		69.9		69.9	8.9	61.0
43	CARDIUM N	93.3	0.10		9.3		9.3	.2	9.1
44	VIKING A	265	<0.01		.7		.7	.7	
45	VIKING C	148	0.10		14.8		14.8	4.0	10.8
46									
47	VIKING D	124	0.10		12.4		12.4	.4	12.0
48	OSTRACOD A	522	0.10		52.2		52.2	31.2	21.0
49	OSTRACOD B	66.7	0.15		10.0		10.0	4.2	5.8
50	OSTRACOD C	66.7	0.15		10.0		10.0	4.6	5.4
51	D-2 A	277	<0.01		1.1		1.1	1.1	
52									
53	MITSUE 071-04W5								
54	GILWOOD A TOTAL	123 000			30 100	25 300	55 400	38 738.6	16 661.4
55	PRIMARY AREA	7 500	0.20		1 500		1 500		
56	WATER FLOOD AREA	115 000	<0.25	0.22	28 600	25 300	53 900		
57									
58	MORINVILLE 055-25W4								
59	LOWER MANNVILLE A	199	0.12		23.8		23.8	20.1	3.7
60	LOWER MANNVILLE F	120	0.10		12.0		12.0	3.9	8.1
61	LOWER MANNVILLE L	226	<0.03		6.7		6.7	6.7	
62	LOWER MANNVILLE O	49.0	0.10		4.9		4.9	.1	4.8
63									
64	D-1 A	55.9	<0.13		7.2		7.2	7.2	
65	D-3 A	90.6	<0.32		28.6		28.6	28.6	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m		
64	4.30	0.054	0.20	0.81	66	857	83	14 519	2 310.7	1980	83 12 - SUSP 82 11
64	9.26	0.087	0.20	0.81				15 018	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81				21 423	2 333.6	1973	83 12
128	9.31	0.070	0.30	0.74	119	845	80	15 017	2 369.9	1982	84 04
64	2.00	0.180	0.40	0.91	39	866	32	9 501	1 288.0	1981	83 12 - GPP
128	3.21	0.240	0.39	0.83	66	859	42	9 502	1 354.4	1982	84 02 - PREV CONF
64	5.50	0.160	0.35	0.83	64	854	40	8 030	1 326.0	1982	83 06 - PREV CONF
64	2.00	0.090	0.35	0.88	44	839	53	6 683	1 380.0	1980	81 05 - GPP
64	.92	0.070	0.50	0.84	69	839	42	8 140	1 448.3	1977	78 10
128	7.34	0.180	0.11	0.89	40	892	50	8 428	1 648.4	1979	82 04
64	2.30	0.220	0.30	0.85	59	819	46	7 200	1 488.3	1980	81 07
128	2.63	0.170	0.33	0.89	40	901	43	9 183	1 473.3	1980	83 04
64	1.00	0.170	0.27	0.80	110	797	44	8 741	1 539.0	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	6 000	1 521.6	1983	84 11 - GPP
255	5.29	0.080	0.31	0.73	124	844	64	15 390	1 824.7	1970	84 12
128	8.63	0.089	0.25	0.75	100	833	64	14 018	1 788.7	1979	82 05
128	6.01	0.067	0.25	0.75	110	830	62	13 612	1 756.3	1978	82 05
224	2.99	0.090	0.25	0.75	106	865	63	15 600	1 848.0	1971	84 12 - GPP
64	13.00	0.120	0.15	0.76	100	852	76	13 824	1 819.5	1979	80 01
65	3.66	0.160	0.32	0.83	74	825	46	9 560	1 191.8	1973	78 10
64	5.60	0.150	0.48	0.85	67	845	46	8 941	1 205.7	1980	81 07
65	4.81	0.110	0.30	0.83	74	845	46	8 717	1 241.7	1981	84 07
64	5.00	0.157	0.40	0.83	74	844	50	7 377	1 176.0	1981	82 08
64	9.00	0.150	0.25	0.83	65	848	52	9 315	1 233.8	1982	83 05
64	13.00	0.150	0.32	0.83	65	848	52	9 315	1 178.2	1983	83 10 - PREV CONF
64	4.00	0.130	0.34	0.83	65	848	52	10 200	1 212.8	1982	84 01
130	2.13	0.110	0.15	0.70	96	815	49	12 070	1 718.0	1960	78 11 - GPP
64	2.13	0.120	0.20	0.78	96	830	49	10 200	1 711.0	1978	81 01
3 250	2.13	0.115	0.15	0.81	125	830	56	16 595	1 559.5	1979	84 12
320	2.29	0.140	0.18	0.83	65	805	58	14 911	1 673.3	1980	83 04 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 631	1 626.9	1982	82 11
65	4.88	0.160	0.30	0.75	105		88	14 690	1 805.3	1961	66 11 - SUSP 66 11
128	2.46	0.080	0.30	0.84	156	827	72	8 599	1 857.9	1982	84 03 - PREV CONF
64	4.00	0.090	0.36	0.84	54	827	72	6 956	1 771.3	1982	83 06 - PREV CONF
384	1.64	0.150	0.21	0.70	160	827	60	18 395	2 042.3	1980	83 12
121	1.50	0.070	0.25	0.70	132	817	72	18 296	2 058.6	1981	83 12
68	2.00	0.100	0.30	0.70	150	822	68	18 382	2 071.4	1981	84 12
64	24.99	0.043	0.35	0.61	195	801	78	19 840	2 528.3	1975	81 12 - SUSP 81 02
47 716					103	811	60	18 240	1 722.4	1964	82 10
2 969	4.60	0.110	0.36	0.78							
44 747	3.93	0.131	0.36	0.78							
100	1.52	0.220	0.30	0.85	41	876	46	7 860	1 092.4	1965	75 06 - SUSP 81 01
57	1.83	0.170	0.25	0.90	62	876	47	8 960	1 148.8	1963	82 12 - GPP
93	2.59	0.220	0.52	0.89	50	887	44	9 760	1 244.2	1965	84 12 - SUSP 80 07
64	1.00	0.170	0.50	0.90	33	871	43	5 050	1 155.0	1983	84 01 - PREV CONF
130	2.74	0.030	0.30	0.75	53	839	48	8 720	1 161.6	1953	64 12 - ABAND 60 10
16	10.97	0.080	0.15	0.75	62	849	56	10 760	1 397.2	1955	76 12 - SUSP 83 03

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
MORINVILLE 055-25W4 (CONTINUED)								
D-3 B	2 590	0.59		1 530		1 530	1 354.6	175.4
D-3 C	615	0.10		61.5		61.5	55.0	6.5
D-3 D	57.1	0.30		17.1		17.1	2.7	14.4
D-3 E	335	0.35		117		117	23.6	93.4
D-3 F	212	<0.01		.2		.2		.2
NEVIS 039-22W4								
BLAIRMORE B	305	<0.01		.3		.3	.3	
BLAIRMORE C	1 600	0.10		160		160	94.9	65.1
BLAIRMORE D	126	0.03		3.8		3.8	2.4	1.4
BLAIRMORE F	215	0.10		21.5		21.5	3.9	17.6
UPPER MANNVILLE A	1 900	0.08		152		152	55.6	96.4
LOWER MANNVILLE A	62.7	0.10		6.3		6.3	.4	5.9
DEVONIAN	429	<0.04		14.2		14.2	14.2	
D-3 B	238	<0.15		34.2		34.2	34.2	
D-3 C	222	0.22		48.9		48.9	47.0	1.9
D-3 D	191	0.20		38.2		38.2	20.4	17.8
D-3 E	1 270	0.15		191		191	118.4	72.6
D-3 F	400	0.03		12.0		12.0	11.1	.9
NEW NORWAY 044-22W4								
BLAIRMORE	69.1	<0.01		.2		.2	.2	
BASAL QUARTZ C	163	<0.01		.8		.8	.8	
D-2	2 150	0.65		1 400		1 400	1 209.8	190.2
D-3	318	0.60		191		191	178.2	12.8
NIPISI 079-08W5								
SLAVE POINT A	164	0.10		16.4		16.4	2.5	13.9
GILWOOD A TOTAL	114 000			32 600	18 100	50 700	34 889.0	15 811.0
PRIMARY AREA	1 600	0.15		240		240		
SOLVENT FLOOD AREA	20 000	<0.48	0.13	9 600	2 500	12 100		
WATER FLOOD AREA	92 000	<0.25	0.17	22 800	15 600	38 400		
GILWOOD C TOTAL	4 190			629	380	1 010	493.9	516.1
PRIMARY AREA	393	0.15		59.0		59.0		
WATER FLOOD AREA	3 800	0.15	0.10	570	380	950		
GILWOOD E	452	0.20		90.4		90.4	20.8	69.6
GILWOOD F	100	0.20		20.0		20.0	4.5	15.5
KEG RIVER SANDSTONE A	1 970	0.25		493		493	369.7	123.3
KEG RIVER SANDSTONE C	235	0.25		58.8		58.8	32.2	26.6
KEG RIVER SANDSTONE D	1 000	0.35		350		350	140.8	209.2
KEG RIVER SANDSTONE E	871	0.25		218		218	56.5	161.5
KEG RIVER SANDSTONE F	323	0.10		32.3		32.3	5.5	26.8
KEG RIVER SANDSTONE G	355	0.03		10.7		10.7	8.2	2.5
KEG RIVER SANDSTONE H	192	0.25		48.0		48.0	8.6	39.4
KEG RIVER SANDSTONE I	130	0.25		32.5		32.5	6.1	26.4
NITON 055-12W5								
CARDIUM A	397	<0.03		8.1		8.1	8.1	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
323	14.48	0.075	0.12	0.84	60	844	60	13 100	1 608.1	1960	72 02	3
211	3.51	0.110	0.10	0.84	62	849	52	10 790	1 379.8	1963	73 12 - GPP	4
16	6.00	0.100	0.15	0.70	135	844	42	14 300	1 411.3	1982	83 02	5
64	9.00	0.090	0.23	0.84	59	890	61	9 860	1 370.6	1982	83 05	6
64	8.30	0.060	0.21	0.84	59	842	61	9 859	1 642.7	1983	84 03 - ABAND 84 01	8
65	3.35	0.220	0.20	0.80	89	881	49	9 340	1 404.5	1967	74 04 - ABAND 74 03	11
320	3.89	0.190	0.25	0.90	53	881	57	10 060	1 388.6	1959	83 12 - GPP	12
64	2.44	0.130	0.30	0.88	51	870	38	9 450	1 478.0	1977	82 12	13
128	2.40	0.140	0.35	0.80	70	886	57	10 338	1 407.0	1982	84 06	14
513	3.82	0.150	0.27	0.88	44	915	55	10 000	1 423.4	1977	80 12	16
64	1.20	0.170	0.40	0.80	64	893	54	10 520	1 404.6	1981	84 06 - GPP	17
199	4.82	0.080	0.20	0.70			58	16 060	1 722.4	1952	52 09 - SUSP 62 05	18
7	53.95	0.087	0.20	0.87	53	870	43	16 810	1 856.5	1968	83 12 - SUSP 81 10	19
6	65.87	0.080	0.20	0.87	40	870	64	16 820	1 788.3	1967	83 08 - GPP	20
14	31.80	0.065	0.20	0.83	64	876	64	15 730	1 821.5	1969	79 03 - GPP	22
34	45.81	0.120	0.17	0.82	79	887	38	16 130	1 832.5	1970	84 12 - GPP	23
64	11.80	0.076	0.15	0.82	74	887	38	14 710	1 755.6	1970	79 12 - GPP	24
16	4.88	0.175	0.35	0.77	80	825	56	10 140	1 393.9	1953	58 05 - ABAND 56 06	27
64	2.50	0.220	0.40	0.77	71	837	44	9 410	1 336.8	1980	84 12 - ABAND 83 02	28
197	18.70	0.085	0.14	0.80	82	825	54	10 620	1 425.2	1951	81 12	29
77	15.03	0.044	0.20	0.78	84	839	58	14 070	1 495.7	1951	73 02 - GPP	30
64	6.00	0.080	0.42	0.92	16	830	64	4 220	1 680.0	1982	83 09	33
30 016					65	820	49	18 130	1 708.7	1965	84 04	34
768	2.82	0.135	0.34	0.83								35
2 240	10.87	0.150	0.34	0.83								36
27 008	4.60	0.135	0.34	0.83								38
1 831					56	820	62	18 090	1 790.4	1969	82 12 - GPP	39
192	3.16	0.120	0.17	0.83								40
1 639	3.58	0.120	0.35	0.83								41
192	3.68	0.120	0.35	0.83	65	821	56	9 628	1 675.8	1979	83 08	42
64	2.30	0.130	0.37	0.83	61	821	47	7 741	1 678.2	1980	82 08	44
1 521	1.46	0.143	0.27	0.85	65	820	56	18 000	1 747.1	1966	68 02 - GPP	45
146	1.47	0.190	0.32	0.85	60	820	57	15 360	1 744.1	1978	80 12	47
128	8.32	0.170	0.35	0.85	60	820	57	15 080	1 740.3	1978	82 04	50
128	6.15	0.186	0.30	0.85	55	820	50	14 000	1 739.5	1979	81 04	52
64	5.00	0.180	0.34	0.85	53	810	54	13 850	1 768.5	1980	83 12 - GPP	54
64	6.40	0.170	0.40	0.85	53	849	52	15 500	1 738.1	1972	84 12	57
64	3.40	0.160	0.35	0.85	55	824	43	5 900	1 749.4	1982	83 04	59
64	1.90	0.180	0.30	0.85	50	830	57	6 500	1 751.0	1982	83 05 - PREV CONF	61
65	7.92	0.100	0.11	0.87	48	834	57	9 400	1 428.0	1970	74 12 - SUSP 74 07	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction		10³m³				
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
NITON 055-12W5 (CONTINUED)								
BASAL QUARTZ A	153	0.05		7.6		7.6		7.6
BASAL QUARTZ B TOTAL	6 600			1 510	1 110	2 620	896.0	1 724.0
PRIMARY AREA	62.3	0.23		14.3		14.3		
WATER FLOOD AREA	6 540	0.23	0.17	1 500	1 110	2 610		
BASAL QUARTZ C	168	<0.01		.8		.8	.8	
BASAL QUARTZ G	177	0.10		17.7		17.7	.1	17.6
BASAL QUARTZ H&I	203	<0.09		16.5		16.5	8.8	7.7
NORMANDVILLE 079-22W5								
JURASSIC A	120	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.4	0.04		.9		.9	.9	
D-1 A	531	0.32		170		170	161.0	9.0
D-3 A	412	0.41		169		169	165.1	3.9
D-3 B	563	0.31		175		175	167.5	7.5
NORTHVILLE 052-10W5								
JURASSIC A	231	0.10		23.1		23.1	1.4	21.7
OBERLIN 038-21W4								
MANNVILLE C	197	0.04		7.9		7.9	4.4	3.5
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 410	0.05		70.5		70.5	34.0	36.5
KEG RIVER SANDSTONE B	513	<0.01		1.6		1.6	1.6	
OKOTOKS 021-28W4								
WABAMUN A	167	<0.01		1.5		1.5	1.5	
OPEN CREEK 042-05W5								
BELLY RIVER A	291	0.10		29.1		29.1	15.5	13.6
BELLY RIVER B	333	0.15		50.0		50.0	36.3	13.7
BANFF A	224	<0.02		4.3		4.3	4.3	
OTTER 088-12W5								
SLAVE POINT A	3 000	0.20		600		600	39.4	560.6
GRANITE WASH A	942	0.20		188		188	29.5	158.5
GRANITE WASH B	585	0.15		87.8		87.8	8.8	79.0
GRANITE WASH C	555	0.15		83.3		83.3	6.6	76.7
PADDLE RIVER 057-08W5								
D-2 A	181	<0.13		22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	0.05		3.1		3.1	.4	2.7
PANNY 046-06W5								
KEG RIVER D	2 600	0.25		650		650		650.0
PARFLESH 025-22W4								
UPPER MANNVILLE C	101	0.10		10.1		10.1	.3	9.8
UPPER MANNVILLE D	328	0.10		32.8		32.8	2.2	30.6
LOWER MANNVILLE B	383	<0.02		4.3		4.3	4.3	
LOWER MANNVILLE C WATER FLOOD	1 500	<0.22	0.19	328	289	617	360.4	256.6
PEARL 030-16W4								
BANFF A	50.4	0.10		5.0		5.0	3.0	2.0

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
177	1.25	0.146	0.35	0.73	114	839	80	16 440	1 962.0	1968	76 08 - GPP	3
2 564					114	839	76	16 340	1 973.0	1965	80 06 - GPP	4
54	1.96	0.152	0.47	0.73								5
2 510	4.43	0.152	0.47	0.73								6
64	3.66	0.150	0.35	0.73	114	839	80	16 440	1 962.0	1968	76 08 - SUSP 70 03	8
64	4.63	0.130	0.27	0.73	56	900	80	15 940	1 948.6	1979	79 12	9
128	2.63	0.122	0.32	0.73	114	864	76	16 170	1 867.5	1981	82 07	10
32	3.66	0.150	0.25	0.90	35	921	33	7 270	821.7	1957	61 02 - ABAND 61 11	13
16	1.52	0.150	0.25	0.84	62	839	37	10 930	1 066.2	1957	61 02 - ABAND 61 11	14
365	7.04	0.035	0.28	0.82	68	834	53	18 100	1 766.9	1957	80 12 - GPP	15
65	21.34	0.046	0.19	0.80	77	825	66	21 820	2 049.8	1949	80 12 - GPP	16
213	14.57	0.031	0.27	0.80	77	825	66	21 750	2 048.0	1958	82 12 - GPP	18
64	8.00	0.095	0.35	0.73	120	885	77	16 002	2 032.7	1981	82 03	21
64	2.77	0.160	0.20	0.87	51	870	47	9 970	1 322.2	1974	80 12 - SUSP 83 04	24
320	4.80	0.150	0.29	0.86	62	829	49	16 410	1 506.6	1975	79 12 - GPP	27
65	7.32	0.220	0.42	0.85	50	829	43	16 040	1 491.1	1976	78 11 - ABAND 82 02	29
64	6.10	0.100	0.25	0.57	235	811	77	26 200	2 595.9	1978	84 07 - ABAND 83 07	33
65	7.32	0.150	0.50	0.82	82	811	42	8 430	1 316.4	1966	75 06	36
92	4.90	0.150	0.40	0.82	82	815	42	7 620	1 317.3	1967	83 12	37
64	4.57	0.111	0.20	0.86	53	876	66	19 370	2 254.0	1974	83 12 - SUSP 80 12	38
768	9.57	0.065	0.31	0.91	34	833	54	15 470	1 552.7	1981	83 06	41
234	2.85	0.240	0.34	0.89	37	830	43	5 811	1 592.1	1983	84 09	42
64	5.80	0.250	0.30	0.90	34	826	43	6 522	1 594.5	1983	84 09 - PREV CONF	43
64	8.00	0.180	0.30	0.86	53	837	41	6 500	1 595.5	1983	83 06	44
64	8.84	0.053	0.25	0.80	117	876	70	14 130	1 835.2	1954	71 11 - ABAND 78 10	47
32	1.80	0.190	0.39	0.93	30	923	33	8 731	889.9	1976	83 05	50
256	18.50	0.080	0.22	0.88	51	837	38	9 515	1 232.2	1983	84 11	53
64	2.00	0.160	0.40	0.82	70	847	49	10 293	1 493.3	1981	83 04 - SUSP 83 04	56
64	9.50	0.130	0.50	0.83	66	860	37	10 000	1 442.0	1981	83 09	57
65	5.49	0.180	0.25	0.80	71	849	46	10 540	1 491.7	1969	83 12 - SUSP 76 11	58
256	5.97	0.180	0.30	0.84				10 500	1 462.0		81 07	59
64	2.13	0.050	0.16	0.88	51	894	38	9 329	1 288.9	1976	84 04 - GPP	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
PEAVEY 056-24W4								
MIDDLE VIKING A	529	0.15		79.5		79.5	75.3	4.2
BLAIRMORE TOTAL	1 450			289	36.5	326	158.2	167.8
PRIMARY AREA	1 080	0.20		216		216		
WATER FLOOD AREA	365	0.20	0.10	73.0	36.5	110		
BLAIRMORE B	225	0.10		22.5		22.5	.9	21.6
BLAIRMORE C	79.3	0.10		7.9		7.9	1.3	6.6
PECO 047-15W5								
BELLY RIVER A	1 610	0.15		242		242	141.1	100.9
BELLY RIVER B	113	0.12		13.6		13.6	11.2	2.4
BELLY RIVER C	2 020	0.10		202		202	10.7	191.3
CARDIUM A	331	0.12		39.7		39.7	24.5	15.2
CARDIUM C	145	0.10		14.5		14.5	10.7	3.8
CARDIUM D	47.3	0.10		4.7		4.7	.6	4.1
CARDIUM E	10.8	0.10		1.1		1.1	1.1	
CARDIUM F	38.0	0.05		1.9		1.9	.1	1.8
CARDIUM G	126	0.10		12.6		12.6		12.6
CADOMIN A	39.7	0.10		4.0		4.0	1.3	2.7
CADOMIN B	108	0.10		10.8		10.8	4.0	6.8
PEMBINA 048-07W5								
KEYSTONE BELLY RIVER B TOTAL	28 600			3 710	5 940	9 650	5 674.3	3 975.7
PRIMARY AREA	1 400	0.13		182		182		
WATER FLOOD AREA	27 200	0.13	0.22	3 530	5 940	9 470		
KEYSTONE BELLY RIVER C TOTAL	10 300			1 340	1 740	3 080	1 883.9	1 196.1
PRIMARY AREA	2 370	0.13		308		308		
WATER FLOOD AREA	7 900	0.13	0.22	1 030	1 740	2 770		
BELLY RIVER G	215	0.15		32.3		32.3	29.9	2.4
BELLY RIVER H	923	0.05		46.2		46.2	44.6	1.6
BELLY RIVER I TOTAL	9 540			1 310	975	2 290	898.6	1 391.4
PRIMARY AREA	4 440	0.13		565		565		
WATER FLOOD AREA	5 100	<0.15	0.20	746	975	1 720		
BELLY RIVER J WATER FLOOD	1 420	0.10	0.25	142	356	498	138.3	359.7
KEYSTONE BELLY RIVER K	183	0.15		27.5		27.5	22.5	5.0
KEYSTONE BELLY RIVER L TOTAL	4 090			447	710	1 160	459.9	700.1
PRIMARY AREA	1 130	0.05		56.5		56.5		
WATER FLOOD AREA	2 960	<0.14	0.24	390	710	1 100		
KEYSTONE BELLY RIVER M WATER FLOOD	6 990	0.12	0.14	839	979	1 820	957.5	862.5
KEYSTONE BELLY RIVER O	294	0.10		29.4		29.4	23.6	5.8
KEYSTONE BELLY RIVER U TOTAL	8 800			1 120	970	2 090	962.8	1 127.2
PRIMARY AREA	3 090	0.13		402		402		
WATER FLOOD AREA	5 710	<0.13	0.17	720	970	1 690		
KEYSTONE BELLY RIVER X TOTAL	7 600			608	1 320	1 930	382.4	1 547.6
PRIMARY AREA	643	0.08		51.4		51.4		

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
146	2.59	0.203	0.25	0.92	37	876	38	6 070	848.0	1953	79 12 - GPP	4
288					35	876	43	8 270	1 067.1	1952	84 12	5
224	3.38	0.206	0.23	0.90								6
64	4.00	0.206	0.23	0.90								7
32	5.00	0.240	0.35	0.90	42	912	33	7 055	1 074.2	1976	84 03	9
16	3.90	0.220	0.32	0.85	32	916	35	6 070	1 071.8	1983	84 03	10
475	6.21	0.140	0.50	0.78	106	815	52	12 300	2 119.3	1964	83 12 - GPP	13
65	3.05	0.140	0.47	0.77	106	876	54	10 830	2 057.1	1965	83 12 - GPP	14
384	8.68	0.100	0.35	0.78	80	806	52	12 300	2 189.6	1983	84 12	15
259	1.83	0.120	0.13	0.67	217	806	76	22 710	2 475.3	1956	73 02 - GPP	16
92	2.44	0.120	0.10	0.60	204	792	92	25 020	2 467.1	1976	82 12	18
64	1.40	0.110	0.20	0.60	200	791	74	19 300	2 473.2	1981	82 07	19
64	.50	0.070	0.20	0.60	150	786	77	27 183	2 481.9	1982	83 05	20
64	1.20	0.130	0.40	0.63	175	770	62	23 500	2 427.7	1976	80 01 - SUSP 76 08	21
64	3.50	0.110	0.15	0.60	380	792	76	31 000	2 486.5	1983	84 08 - PREV CONF	22
65	.91	0.120	0.30	0.80	66	788	96	29 650	3 098.9	1972	78 05 - SUSP 84 03	24
64	5.00	0.085	0.25	0.53	352	779	124	32 251	3 119.5	1978	80 09 - GPP	25
5 728					42	839	39	6 650	978.1	1958	79 12	28
480	3.64	0.194	0.53	0.88								30
5 311	6.00	0.194	0.50	0.88								31
1 986					41	839	39	6 550	979.3	1959	82 12	33
512	4.97	0.190	0.45	0.89								35
1 474	5.73	0.191	0.45	0.89								36
75	3.05	0.150	0.30	0.89	35	834	42	6 900	1 121.7	1956	76 12 - SUSP 83 03	37
97	8.63	0.200	0.38	0.89	39	820	43	9 170	1 285.0	1956	65 02 - GPP	39
4 791					65	834	37	8 070	1 083.9	1954	78 04 - GPP	40
2 464	3.30	0.186	0.67	0.89								41
2 327	4.01	0.186	0.67	0.89								42
129	9.60	0.200	0.35	0.88	39	820	42	8 270	1 245.7	1958	78 09 - GPP	43
43	4.27	0.220	0.48	0.87	43	839	38	6 860	937.3	1961	81 12 - GPP	46
1 024					42	839	37	6 690	926.6	1962	79 12	48
192	5.92	0.196	0.43	0.89								50
832	3.58	0.196	0.43	0.89								52
2 081	3.75	0.198	0.48	0.87	42	839	38	6 720	965.0	1962	78 02 - GPP	53
97	3.11	0.215	0.48	0.87	46	839	36	7 450	930.9	1963	63 10 - GPP	55
2 270					43	844	41	6 860	1 029.3	1964	81 07	58
862	4.23	0.183	0.48	0.89								60
1 408	4.79	0.183	0.48	0.89								61
1 792					40	844	42	7 856	1 040.9	1965	83 04	62
160	4.81	0.179	0.48	0.89								65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
PEMBINA 048-07W5 (CONTINUED)								
WATER FLOOD AREA	6 960	0.08	0.19	557	1 320	1 880		
BELLY RIVER AA	2 110	0.06		127		127	92.8	34.2
KEYSTONE BELLY RIVER CC	910	0.15		137		137	113.1	23.9
BELLY RIVER DD	491	0.10		49.1		49.1	.9	48.2
BELLY RIVER EE	408	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 400	0.05		70.0		70.0	46.3	23.7
BELLY RIVER JJ	254	<0.03		6.5		6.5	5.4	1.1
BELLY RIVER KK	880	0.08		70.4		70.4	46.6	23.8
KEYSTONE BELLY RIVER LL	79.6	0.10		8.0		8.0	2.0	6.0
BELLY RIVER MM	715	0.05		35.8		35.8	22.6	13.2
KEYSTONE BELLY RIVER QQ	315	<0.01		.4		.4	.4	
BELLY RIVER RR	435	0.01		4.4		4.4	3.6	.8
KEYSTONE BELLY RIVER TT	289	0.01		2.9		2.9	1.0	1.9
BELLY RIVER XX	224	0.02		4.5		4.5	2.3	2.2
BELLY RIVER YY	105	<0.04		3.1		3.1	3.1	
BELLY RIVER FFF&GGG TOTAL	3 700			250	104	354	108.1	245.9
PRIMARY AREA	2 320	<0.07		160		160		
WATER FLOOD AREA	1 380	<0.07	0.08	90.0	104	194		
BELLY RIVER BBB	126	0.10		12.6		12.6	3.1	9.5
BELLY RIVER DDD	1 560	0.10		156		156	52.3	103.7
BELLY RIVER JJJ	292	0.03		8.8		8.8	2.4	6.4
BELLY RIVER LLL	545	0.10		54.5		54.5	10.0	44.5
BELLY RIVER MMM	350	0.10		35.0		35.0	.3	34.7
BELLY RIVER NNN	217	0.05		10.4		10.4	1.5	8.9
BELLY RIVER PPP	415	0.10		41.5		41.5	1.1	40.4
BELLY RIVER RRR	315	0.10		31.5		31.5	1.6	29.9
BELLY RIVER TTT	1 150	0.10		115		115	11.3	103.7
BELLY RIVER UUU	793	0.10		79.3		79.3	1.2	78.1
BELLY RIVER VVV	239	0.10		23.9		23.9	.2	23.7
BELLY RIVER WWW	125	0.10		12.5		12.5		12.5
BELLY RIVER XXX	191	0.10		19.1		19.1		19.1
BELLY RIVER ZZZ	519	0.10		51.9		51.9		51.9
CARDIUM TOTAL	1 180 000			131 000	108 000	239 000	157 232.8	81 767.2
PRIMARY AREA	278 000	<0.09		23 800		23 800		
SOLVENT FLOOD AREA (LOBSTICK UNIT)	11 000	0.14	0.15	1 530	1 650	3 180		
WATER FLOOD AREA	830 000	<0.12	0.11	96 100	97 200	194 000		
GAS FLOOD AREA	6 830	<0.10	0.04	680	273	953		
WATER & SOLVENT FLOOD AREA (NPCU)	56 700	0.15	0.16	8 570	9 070	17 600		
CARDIUM B	636	0.04		25.4		25.4	17.5	7.9
CARDIUM C	407	0.01		4.1		4.1	1.4	2.7
CARDIUM D	211	0.05		10.6		10.6	6.2	4.4
CARDIUM E	187	0.10		18.7		18.7	3.8	14.9
CARDIUM F	169	0.05		8.5		8.5	.3	8.2
CARDIUM G	125	0.03		3.8		3.8	.2	3.6
CARDIUM H	96.9	0.10		9.7		9.7	4.9	4.8
CARDIUM J	165	0.10		16.5		16.5	.6	15.9

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
1 632	5.10	0.179	0.48	0.89								3
384	5.34	0.205	0.43	0.88	40	844	41	7 380	972.0	1965	84 12 - GPP	4
390	3.06	0.186	0.54	0.89	40	844	42	7 790	1 058.0	1965	83 12 - GPP	5
												6
												7
64	8.50	0.180	0.43	0.88	40	844	43	7 240	992.1	1967	83 11	8
65	7.13	0.188	0.46	0.87	43	849	42	6 580	1 047.3	1967	76 12 - ABAND 76 09	9
605	3.15	0.207	0.60	0.89	65	834	44	7 480	1 035.7	1957	84 12 - GPP	10
64	4.32	0.190	0.45	0.88	40	844	36	6 450	942.7	1967	81 12 - GPP	11
128	7.28	0.181	0.40	0.87	41	820	49	8 340	1 312.2	1968	81 12 - GPP	12
												13
65	1.68	0.165	0.50	0.89	40	839	49	7 760	1 061.3	1968	73 02 - SUSP 82 11	14
												15
154	6.10	0.140	0.39	0.89	40	829	42	12 820	1 260.3	1969	77 12 - GPP	16
65	5.76	0.190	0.50	0.89	44	904	38	6 650	973.5	1974	83 12 - SUSP 78 01	17
												18
												19
65	6.10	0.200	0.38	0.89	43	829	43	10 290	1 296.9	1975	78 12 - GPP	20
64	4.61	0.200	0.45	0.89	41	844	41	6 070	931.5	1958	81 12 - GPP	21
												22
64	4.92	0.200	0.60	0.89	62	839	31	6 780	969.6	1978	82 12	23
64	3.10	0.170	0.65	0.89	62	815	35	7 686	1 063.8	1978	83 08 - SUSP 83 08	24
												25
1 146					45	841	32	6 825	990.9	1978	83 04	26
												27
698	3.88	0.175	0.45	0.89								28
448	3.77	0.180	0.49	0.89								29
64	2.00	0.190	0.42	0.89	46	846	22	7 200	940.2	1978	79 05	30
												31
512	3.97	0.130	0.33	0.88	65	817	49	10 716	1 431.0	1978	83 10	32
64	4.70	0.170	0.35	0.88	50	854	41	7 750	1 153.1	1979	83 12 - GPP	33
160	3.20	0.190	0.37	0.89	42	847	45	6 250	908.0	1981	84 12	34
64	6.30	0.150	0.35	0.89	48	840	36	6 900	865.7	1981	82 05 - SUSP 84 02	35
64	2.70	0.220	0.36	0.89	55	846	40	6 612	995.7	1981	83 12 - GPP	36
												37
64	7.80	0.170	0.45	0.89	46	844	38	6 200	1 003.7	1981	84 03	38
32	8.30	0.212	0.35	0.86	52	862	41	6 477	856.5	1982	83 03	39
128	10.00	0.210	0.52	0.89	66	822	37	6 869	1 046.7	1981	83 08	40
128	5.46	0.210	0.40	0.90	65	901	41	6 160	904.0	1983	84 12	41
64	4.60	0.140	0.30	0.83	65	845	52	9 315	1 137.9	1983	83 12 - SUSP 84 06	42
												43
32	4.40	0.180	0.45	0.90	52	857	41	6 476	901.5	1983	84 03 - SUSP 84 07	44
64	3.00	0.150	0.20	0.83	65	848	52	9 315	1 161.5	1983	84 09 - SUSP 84 05	45
64	9.10	0.180	0.45	0.90	65	837	41	6 160	983.0	1958	84 09	46
191 669					96	834	46	18 890		1953	78 04 - GPP	47
49 291	6.77	0.121	0.15	0.81								48
												49
908	12.98	0.128	0.10	0.81								50
												51
133 375	5.97	0.143	0.10	0.81								52
2 981	2.62	0.127	0.15	0.81								53
5 114	9.75	0.156	0.10	0.81								54
												55
												56
194	4.05	0.116	0.15	0.82	96	834	60	12 410	1 213.7	1963	83 12 - GPP	57
65	7.01	0.130	0.15	0.81	82	834	44	10 280	1 339.0	1974	78 12 - GPP	58
64	4.36	0.109	0.15	0.81	80	834	46	18 620	1 806.2	1976	82 12 - GPP	59
64	2.70	0.150	0.11	0.81	83	834	53	17 540	1 840.1	1978	79 03 - GPP	60
64	3.49	0.110	0.15	0.81	80	834	50	17 733	1 760.6	1981	83 12	61
												62
64	2.81	0.101	0.15	0.81	80	834	56	10 000	1 620.8	1981	84 12 - GPP	63
64	2.00	0.110	0.15	0.81	80	840	40	11 050	1 226.4	1982	82 05	64
64	3.40	0.110	0.15	0.81	80	834	50	11 100	1 844.0	1983	84 04 - PREV CONF	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
PEMBINA 048-07W5 (CONTINUED)								
VIKING B	375	0.15		56.3		56.3	48.8	7.5
VIKING D	213	0.10		21.3		21.3		21.3
LOBSTICK GLAUCONITIC J	42.4	0.10		4.2		4.2	.7	3.5
GLAUCONITIC K	318	0.10		31.8		31.8		31.8
LOBSTICK GLAUCONITIC N	256	<0.01		.1		.1	.1	
LOBSTICK GLAUCONITIC P	570	0.03		17.1		17.1	4.5	12.6
LOBSTICK GLAUCONITIC FL&M	353	<0.01		1.5		1.5	1.5	
OSTRACOD D	239	0.06		14.3		14.3	8.4	5.9
OSTRACOD E	3 500	0.12		420	ERSO	420	167.1	252.9
OSTRACOD F	185	0.05		9.3		9.3	3.0	6.3
OSTRACOD G	487	0.25		122	ERSO	122	47.0	75.0
OSTRACOD H	23.4	0.10		2.3		2.3	.2	2.1
OSTRACOD K	351	0.10		35.1		35.1	4.2	30.9
KEYSTONE ELLERSLIE A	800	0.20		160	ERSO	160	107.6	52.4
ELLERSLIE B	95.3	<0.01		.6		.6	.6	
ELLERSLIE D	155	0.10		15.5		15.5	.7	14.8
ELLERSLIE E	423	0.03		12.7		12.7	3.5	9.2
ELLERSLIE G	1 940	0.10		194		194	14.9	179.1
ELLERSLIE I	129	0.10		12.9		12.9	1.5	11.4
ELLERSLIE K	67.5	0.10		6.8		6.8	.5	6.3
ELLERSLIE F JURASSIC C&D	227	0.03		6.8		6.8	.2	6.6
JURASSIC A	690	<0.01		1.3		1.3	1.3	
JURASSIC B	242	0.10		24.2		24.2	1.8	22.4
JURASSIC E	221	0.10		22.1		22.1	2.6	19.5
JURASSIC F	438	0.10		43.8		43.8	1.5	42.3
JURASSIC G	95.7	0.10		9.6		9.6	.5	9.1
PEKISKO A	118	<0.12		13.8		13.8	13.8	
BANFF A	705	<0.01		.4		.4	.4	
BANFF B	525	<0.01		.1		.1	.1	
BLUERIDGE A	650	0.15		97.5		97.5	39.8	57.7
BLUERIDGE B	364	<0.01		1.3		1.3	1.3	
BLUERIDGE C	199	0.05		10.0		10.0	2.7	7.3
BLUERIDGE D	410	0.15		61.5		61.5	9.5	52.0
NISKU A WATER FLOOD	2 800	0.40	0.11	1 120	308	1 430	639.3	790.7
NISKU B WATER FLOOD	80.0	0.20	0.15	16.0	12.0	28.0	2.6	25.4
NISKU C WATER FLOOD	1 430	0.30	0.20	429	286	715	352.9	362.1
NISKU D WATER FLOOD	4 800	0.40	0.13	1 920	630	2 550	1 093.3	1 456.7
NISKU E WATER FLOOD	700	0.20	0.13	140	90.0	230	79.9	150.1
NISKU F	2 100	0.35		735		735	78.1	656.9
NISKU G SOLVENT FLOOD	3 000	0.40	0.30	1 200	900	2 100	648.0	1 452.0
NISKU H WATER FLOOD	450	0.30	0.22	135	99.0	234	55.2	178.8
NISKU I	750	0.20		150	ERSO	150	9.7	140.3
NISKU J WATER FLOOD	1 200	0.35	0.12	420	144	564	196.3	367.7
NISKU K SOLVENT FLOOD	2 430	0.40	0.30	972	728	1 700	518.2	1 181.8
NISKU L WATER FLOOD	5 000	0.25	0.25	1 250	1 250	2 500	784.4	1 715.6

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m		
1 500	1.14	0.055	0.35	0.61	156	810	65	17 382	1 931.4	1982	83 09
64	5.20	0.160	0.55	0.89	40	830	40	7 000	1 583.0	1983	83 12 – PREV CONF
64	1.50	0.120	0.54	0.80	90	876	48	14 047	1 630.3	1981	82 05 – GPP
64	9.40	0.110	0.40	0.80	88	829	64	11 500	1 890.8	1981	82 08
64	8.00	0.120	0.48	0.80	85	889	68	12 905	1 602.5	1980	84 12 – SUSP 82 08
196	6.84	0.113	0.47	0.71	110	871	66	17 500	1 560.0	1982	84 09
64	11.30	0.090	0.32	0.80	75	876	60	12 362	1 616.1	1980	84 12 – SUSP 83 03
336	1.83	0.090	0.40	0.72	160	839	49	19 170	1 757.8	1975	82 12
3 185	1.22	0.160	0.25	0.75	123	840	57	15 866	1 618.2	1979	84 11
64	3.98	0.120	0.16	0.72	140	840	64	15 637	1 579.7	1980	84 12
956	.91	0.100	0.30	0.80	105	810	57	14 953	1 729.7	1979	83 12
64	.70	0.110	0.34	0.72	140	840	48	13 988	1 626.2	1981	82 08 – GPP
64	5.80	0.150	0.16	0.75	109	888	64	15 851	1 591.0	1982	83 05 – PREV CONF
577	1.67	0.140	0.20	0.74	115	865	69	15 550	1 769.5	1957	84 01
81	2.56	0.070	0.18	0.80	99	839	76	17 510	2 250.3	1974	78 03 – SUSP 78 03
64	4.80	0.090	0.30	0.80	99	832	46	17 794	2 323.3	1978	81 12
64	14.00	0.090	0.30	0.75	99	832	46	17 961	2 319.5	1980	84 12
893	3.53	0.130	0.36	0.74	99	870	50	16 196	1 723.3	1982	83 12
64	2.80	0.130	0.25	0.74	116	863	67	14 728	1 561.1	1983	83 07 – PREV CONF
64	1.70	0.150	0.47	0.78	83	860	62	13 086	1 681.4	1982	83 03
64	6.13	0.120	0.30	0.69	155	850	50	14 760	2 110.0	1981	83 03 – SUSP 82 08
64	17.50	0.110	0.30	0.80	91	870	37	13 500	2 298.8	1979	83 12 – SUSP 81 10
64	5.20	0.130	0.30	0.80	80	848	78	19 557	2 277.1	1980	82 11
64	4.50	0.160	0.40	0.80	92	880	52	15 050	1 731.9	1982	83 04
128	6.09	0.090	0.22	0.80	176	830	79	18 950	2 383.6	1982	84 03 – PREV CONF
64	4.00	0.085	0.45	0.80	83	896	70	13 237	2 082.0	1982	83 11 – PREV CONF
65	1.83	0.150	0.20	0.83	53	910	88	19 620	1 868.4	1960	64 04 – SUSP 69 11
64	10.00	0.200	0.32	0.81	75	880	60	17 285	1 641.0	1981	82 04 – ABAND 83 01
64	9.00	0.150	0.25	0.81	88	866	32	16 887	1 585.4	1983	83 11 – ABAND 83 10
145	15.10	0.065	0.25	0.61	138	816	83	24 387	2 606.1	1978	79 08
64	22.10	0.050	0.22	0.66	162	811	83	17 343	2 796.0	1979	81 01 – ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	19 443	2 712.5	1979	84 12
64	30.20	0.059	0.41	0.61	210	829	84	22 635	2 587.3	1981	82 04
124	54.30	0.080	0.20	0.65	185	806	100	33 900	3 005.4	1977	81 01
34	7.47	0.085	0.26	0.50	328	801	99	30 175	2 911.0	1977	84 09
145	13.30	0.120	0.13	0.71	145	825	84	26 210	2 640.8	1977	80 03
320	17.36	0.120	0.10	0.80	140	841	82	25 781	2 583.7	1978	84 04
77	40.00	0.040	0.20	0.71	180	834	92	28 230	2 717.6	1978	82 09
144	16.50	0.140	0.17	0.76	89	852	83	26 640	2 550.2	1978	80 01
133	54.30	0.080	0.20	0.65	123	810	96	28 000	2 908.2	1978	81 05
76	10.12	0.095	0.12	0.70	148	833	89	27 173	2 767.7	1978	84 01
53	54.60	0.047	0.21	0.70	115	811	94	19 570	2 903.5	1978	83 07 – SUSP 82 08
69	52.40	0.066	0.25	0.67	142	809	90	27 730	2 791.0	1978	80 09 – SUSP 84 08
58	73.30	0.104	0.18	0.67	147	808	92	29 000	2 886.1	1978	81 05
253	30.10	0.105	0.12	0.71	124	821	93	28 620	2 869.7	1978	84 08

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction		10³m³				
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
PEMBINA 048-07W5 (CONTINUED)								
NISKU M SOLVENT FLOOD	2 850	0.40	0.35	1 140	998	2 140	458.4	1 681.6
NISKU N	1 600	0.35		560	ERSO	560	52.1	507.9
NISKU O SOLVENT FLOOD	1 700	0.40	0.30	680	510	1 190	182.1	1 007.9
NISKU P SOLVENT FLOOD	4 250	0.40	0.35	1 700	1 490	3 190	457.4	2 732.6
NISKU Q	2 800	0.40		1 120	ERSO	1 120	60.3	1 059.7
NISKU R WATER FLOOD	400	0.30	0.18	120	72.0	192	41.7	150.3
NISKU S WATER FLOOD	700	0.40	0.10	280	70.0	350	84.2	265.8
PENDANT D'OREILLE 003-08W4								
MANNVILLE F	170	<0.01		.2		.2	.2	
PENHOLD 036-27W4								
VIKING A	105	0.10		10.5		10.5	3.7	6.8
VIKING B	350	0.10		35.0		35.0	17.8	17.2
VIKING C	40.4	0.05		2.0		2.0		2.0
VIKING D	83.9	0.10		8.4		8.4		8.4
LOWER MANNVILLE A	1 490	0.06		89.4		89.4	47.0	42.4
D-2 A	408	0.15		61.2		61.2	10.1	51.1
D-3 A	183	<0.02		3.4		3.4	3.4	
PINE CREEK 057-19W5								
CARDIUM L	64.6	0.10		6.5		6.5	2.7	3.8
CARDIUM M	110	0.10		11.0		11.0	5.4	5.6
CARDIUM H&I	6 100	0.10		610		610	271.2	338.8
CARDIUM J&K	22.8	0.10		2.3		2.3	.9	1.4
SECOND WHITE SPECKS A	2 860	0.10		286	ERSO	286	190.4	95.6
SECOND WHITE SPECKS C	384	0.05		19.2		19.2	2.6	16.6
D-3 C	113	<0.28		31.5		31.5	31.5	
PINE NORTH-WEST 058-20W5								
SECOND WHITE SPECKS A	415	0.02		8.3		8.3	6.5	1.8
PINEDALE 054-16W4								
VIKING A	70.5	0.10		7.1		7.1	.1	7.0
POUCE COUPE 080-12W6								
HALFWAY A	153	<0.01		.1		.1	.1	
HALFWAY B	124	0.10		12.4		12.4	.2	12.2
POUCE COUPE SOUTH 078-12W6								
BOUNDARY B	7 330	0.16		1 170	ERSO	1 170	141.6	1 028.4
BOUNDARY C	133	0.10		13.3		13.3	8.2	5.1
BOUNDARY D	67.8	0.10		6.8		6.8	1.3	5.5
BOUNDARY E	113	0.10		11.3		11.3	1.6	9.7
BDY A & CH LK B	2 950							
TOTAL				295	170	465	113.7	351.3
PRIMARY AREA	1 950	0.10		195		195		
WATER FLOOD AREA	998	0.10	0.17	99.8	170	270		
PREVO 039-01W5								
UPPER MANNVILLE A	106	0.06		6.4		6.4	2.4	4.0

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
78	65.00	0.090	0.07	0.69	140	820	92	28 452	2 845.5	1979	83 07	3
85	29.10	0.110	0.11	0.66	164	809	88	27 460	2 757.5	1979	80 05 - SUSP 80 05	5
85	31.05	0.118	0.16	0.65	148	809	88	30 861	2 844.3	1979	83 11	6
170	44.00	0.103	0.13	0.63	186	800	93	28 992	2 905.0	1979	83 08	9
122	33.86	0.098	0.09	0.76	150	819	91	28 637	2 871.5	1980	84 10 - SUSP 82 01	11
64	10.86	0.095	0.11	0.68	148	827	89	27 299	2 762.4	1980	84 01	12
35	35.42	0.096	0.16	0.70	127	831	84	26 542	2 632.0	1981	84 01	13
65	2.44	0.200	0.35	0.83	80	855	38	8 270	910.4	1969	70 09 - ABAND 70 06	16
64	3.13	0.110	0.30	0.81	78	849	51	8 630	1 680.4	1976	79 09 - GPP	19
469	1.36	0.122	0.43	0.79	65	850	55	9 113	1 701.2	1981	84 11	20
64	1.50	0.130	0.60	0.81	66	812	68	8 200	1 748.3	1983	84 09	21
64	1.30	0.180	0.30	0.80	76	820	66	9 300	1 678.4	1982	84 12	22
231	7.40	0.130	0.14	0.78	91	877	69	14 760	1 885.2	1960	79 08 - GPP	24
192	6.40	0.060	0.21	0.70	160	805	82	20 930	2 299.8	1961	83 07	25
65	5.18	0.109	0.17	0.60	217	825	77	20 410	2 312.5	1968	75 12 - SUSP 75 04	26
64	2.20	0.087	0.15	0.62	190	821	60	19 768	1 801.7	1980	82 03	29
71	2.00	0.150	0.18	0.63	180		72	22 082	2 242.0	1981	83 12	30
4 160	2.24	0.110	0.15	0.70	167	805	68	21 745	1 976.2	1980	82 02	31
64	1.20	0.050	0.15	0.70					2 037.2	1980	81 09 - GPP	32
1 066	10.00	0.042	0.10	0.71	127	815	77	27 188	2 263.7	1973	79 01	34
64	6.50	0.200	0.35	0.71	140	833	63	18 500	1 878.5	1981	83 12 - GPP	36
64	5.23	0.063	0.15	0.63	204	801	107	32 010	3 304.2	1959	76 05 - ABAND 79 08	38
65	7.62	0.150	0.30	0.80	78	806	68	20 480	1 845.6	1975	78 12 - GPP	41
64	1.20	0.170	0.40	0.90	38	856	33	4 525	645.4	1982	83 07 - SUSP 83 09	45
65	3.54	0.098	0.15	0.80	85	855	70	16 200	1 688.6	1975	78 09 - SUSP 75 03	48
64	4.80	0.101	0.50	0.80	74	840	55	16 652	1 688.0	1980	82 06	49
2 858	3.35	0.120	0.15	0.75	135	826	75	16 720	1 862.8	1980	84 12	52
64	1.80	0.170	0.14	0.79	76	834	70	16 633	1 832.6	1973	82 12	53
64	1.30	0.120	0.14	0.79	76	834	70	9 300	1 819.4	1973	82 12	54
64	3.40	0.090	0.27	0.79	82	834	60	9 500	1 776.1	1981	83 01	55
1 296					93	834	70	16 408	1 780.7	1971	84 06	57
912	2.78	0.120	0.19	0.79								59
390	2.77	0.136	0.14	0.79								60
64	2.42	0.130	0.25	0.70	89	870	66	16 200	1 940.7	1976	84 12 - GPP	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
PROGRESS 077-09W6								
CHARLIE LAKE A	87.7	0.10		8.8		8.8		8.8
HALFWAY B	2 350	0.10		235		235	13.6	221.4
PROVOST 036-07W4								
VIKING P	180	0.10		18.0		18.0	.8	17.2
VIKING V	113	0.10		11.3		11.3	8.6	2.7
VIKING Y	328	0.10		32.8		32.8	5.0	27.8
VIKING GG	106	<0.01		.2		.2	.2	
VIKING JJ	238	<0.01		1.4		1.4	1.4	
VIKING RR	61.7	0.10		6.2		6.2	1.5	4.7
VIKING CAK & MANNVILLE E TOTAL	93 000			4 880	5 920	10 800	6 953.7	3 846.3
PRIMARY AREA	27 200	0.08		2 180		2 180		
WATER FLOOD AREA	65 800	0.04	0.09	2 700	5 920	8 620		
BLAIRMORE	1 630	0.12		196		196	157.1	38.9
MANNVILLE H	415	0.05		20.8		20.8	12.2	8.6
MANNVILLE I	745	0.03		22.4		22.4	9.1	13.3
MANNVILLE J	453	0.02		9.1		9.1	4.6	4.5
MANNVILLE L	3 360	0.02		67.2		67.2	18.3	48.9
MANNVILLE S	1 290	0.02		25.8		25.8	6.6	19.2
MANNVILLE T	264	0.02		5.3		5.3	1.7	3.6
MANNVILLE CC	204	<0.01		.1		.1	.1	
LLOYDMINSTER A	684	0.03		20.5		20.5	5.6	14.9
LLOYDMINSTER D	1 780	0.10		178		178	10.5	167.5
LLOYDMINSTER E	498	0.05		22.4		22.4	1.3	21.1
CUMMINGS A	1 710	0.10		171		171	107.4	63.6
CUMMINGS B	63.0	<0.01		.1		.1		.1
CUMMINGS E	223	0.10		22.3		22.3	.4	21.9
CUMMINGS F	264	0.10		26.4		26.4	3.2	23.2
LOWER MANNVILLE A	226	<0.01		.1		.1	.1	
LOWER MANNVILLE D	257	<0.01		.4		.4	.4	
LOWER MANNVILLE L	72.9	0.10		7.3		7.3	3.9	3.4
LOWER MANNVILLE P	152	0.10		15.2		15.2	3.0	12.2
LOWER MANNVILLE W	430	0.10		43.0		43.0	2.0	41.0
DINA A	2 210	0.10		221		221	29.4	191.6
D-1 A	20.7	0.10		2.1		2.1		2.1
D-2 A	119	<0.01		1.0		1.0	1.0	
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		.3		.3	.3	
UPPER MANNVILLE A	276	0.10		27.6		27.6	.4	27.2
BASAL QUARTZ A	750	0.10		75.0		75.0	19.1	55.9
RAINBOW 109-05W6								
SLAVE POINT B	373	0.10		37.3		37.3	2.3	35.0
SULPHUR POINT B	378	<0.01		3.0		3.0	3.0	
SULPHUR POINT C	397	0.08		31.8		31.8	25.3	6.5
SULPHUR POINT E	127	<0.01		.1		.1	.1	
SULPHUR POINT F	855	0.20		171		171	108.8	62.2
SULPHUR POINT I	292	0.03		8.8		8.8	5.6	3.2
SULPHUR POINT L	130	0.10		13.0		13.0	4.2	8.8
MUSKEG A	639	0.08		51.1		51.1	44.3	6.8
MUSKEG B	54.7	<0.13		6.7		6.7	6.7	
MUSKEG C	795	0.20		159		159	105.6	53.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
64	2.40	0.100	0.42	0.84	67	813	62	12 369	1 681.2	1982	83 08 - SUSP 84 08	4
384	12.80	0.090	0.30	0.76	112	839	70	17 555	1 882.7	1982	84 10	5
												6
												7
64	2.77	0.180	0.40	0.94	27	849	29	5 930	900.4	1977	79 08 - GPP	8
64	1.50	0.220	0.43	0.94	24	851	32	5 830	832.0	1976	80 12	9
128	2.50	0.210	0.48	0.94	23	851	30	5 303	849.4	1980	83 04 - GPP	10
64	2.20	0.160	0.50	0.94	23	858	32	6 009	842.5	1979	83 12 - SUSP 83 03	11
												12
64	3.08	0.200	0.35	0.93				5 500	827.7	1973	78 12 - SUSP 82 10	13
64	1.20	0.190	0.55	0.94	20	868	31	3 100	825.7	1976	83 08 - GPP	14
65 606					25	855	36	5 720	891.5	1946	84 12 - GPP	15
												16
25 000	1.39	0.260	0.68	0.94							SW=(SW=.50 + SG=.18)=.68	17
												18
40 606	1.37	0.252	0.50	0.94							SW=(SW=.37 + SG=.13)=.50	19
249	3.37	0.290	0.27	0.92	28	892	33	6 140	875.7	1958	83 12 - GPP	20
65	3.66	0.300	0.35	0.90	25	887	27	6 170	813.5	1972	73 12 - GPP	21
256	2.34	0.220	0.35	0.87	62	870	28	6 120	843.9	1973	80 12 - GPP	22
65	4.27	0.240	0.25	0.91	34	881	34	6 210	935.4	1975	78 12 - GPP	23
												24
256	7.00	0.260	0.24	0.95	21	900	28	5 990	827.8	1976	83 08 - GPP	25
65	8.84	0.300	0.20	0.94	25	910	37	5 740	787.3	1976	78 12 - GPP	26
65	4.27	0.200	0.47	0.90	35	876	30	6 040	877.2	1977	83 12	27
64	2.54	0.220	0.40	0.95	18	881	30	11 520	851.8	1979	82 12 - SUSP 80 06	28
64	7.70	0.220	0.35	0.97	38	880	17	6 205	805.1	1979	82 12 - GPP	29
												30
480	2.62	0.260	0.42	0.94	28	870	30	5 548	787.2	1983	84 12	31
32	8.60	0.280	0.40	0.97	12	994	27	5 425	775.5	1983	84 03 - PREV CONF	32
873	1.77	0.190	0.40	0.97	27	876	28	6 130	834.8	1973	82 12	33
64	1.00	0.170	0.40	0.96	18	888	28	7 180	946.2	1949	83 12 - SUSP 80 05	34
64	2.00	0.300	0.40	0.97	9	865	35	1 500	919.0	1983	84 03 - PREV CONF	35
												36
64	2.10	0.270	0.25	0.97	9	875	33	1 650	796.1	1983	84 03 - PREV CONF	37
64	4.31	0.130	0.30	0.90	43	874	38	7 171	976.9	1977	78 08 - ABAND 78 06	38
64	3.40	0.200	0.35	0.91	35	892	32	6 770	1 000.8	1978	83 12 - SUSP 81 12	39
64	1.00	0.230	0.45	0.90	42	861	32	6 878	1 030.5	1980	81 06 - GPP	40
64	2.00	0.240	0.45	0.90		850	38	7 163	1 064.2	1981	82 03	41
												42
64	5.30	0.240	0.45	0.96	15	865	30	2 400	1 049.2	1982	83 05	43
398	3.60	0.260	0.34	0.90	38	894	31	5 000	792.3	1982	84 12	44
64	2.20	0.030	0.45	0.89	41	903	41	7 200	1 016.2	1980	84 05	45
65	5.49	0.070	0.40	0.80					1 131.4	1974	76 12 - SUSP 75 12	46
												47
												48
64	2.47	0.134	0.50	0.89	37	852	27	5 494	895.1	1980	84 12 - SUSP 82 02	49
64	4.50	0.180	0.38	0.86	55	871	39	7 800	1 048.4	1981	84 05	50
256	2.54	0.240	0.44	0.86	65	868	36	8 755	1 079.1	1979	82 09	51
												52
												53
64	9.80	0.110	0.40	0.90	45	854	40	5 800	1 241.6	1970	84 03	54
141	7.83	0.070	0.35	0.75	103	834	74	14 730	1 543.5	1967	73 02 - SUSP 71 12	55
109	6.77	0.090	0.20	0.75	121	839	68	15 355	1 611.0	1967	70 03 - GPP - MRL	56
65	6.10	0.055	0.25	0.78	89	849	74	14 560	1 636.5	1967	71 03 - SUSP 71 03	57
												58
182	8.14	0.095	0.20	0.76	91	825	74	14 170	1 550.5	1970	84 12	59
64	11.36	0.081	0.34	0.75	95	829	86	13 886	1 550.8	1975	79 12 - GPP	60
65	5.79	0.080	0.45	0.79	75	844	94	15 310	1 671.8	1969	78 01 - GPP	61
119	7.22	0.097	0.08	0.83	56	844	86	15 440	1 762.7	1966	82 12 - GPP	62
16	11.43	0.050	0.20	0.74	107	820	82	15 500	1 659.9	1966	76 12 - SUSP 76 11	63
												64
75	16.12	0.098	0.12	0.76	92	834	84	16 580	1 578.9	1967	83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
RAINBOW 109-05W6 (CONTINUED)								
MUSKEG D	300	0.02		6.0		6.0	5.9	.1
MUSKEG F	3 180	0.15		477		477	238.7	238.3
MUSKEG G	159	<0.04		5.5		5.5	5.5	
MUSKEG I	1 430	0.15		215		215	175.6	39.4
MUSKEG J	248	0.08		19.8		19.8	9.8	10.0
MUSKEG K	1 060	0.15		159		159	21.8	137.2
MUSKEG M	115	0.15		17.3		17.3	4.1	13.2
MUSKEG N	439	0.15		65.9		65.9	7.1	58.8
MUSKEG O	2 820	0.15		423		423	27.6	395.4
MUSKEG P	135	0.15		20.3		20.3	1.7	18.6
KEG RIVER A SOLVENT FLOOD	14 300	0.50	0.38	7 150	5 430	12 600	8 173.2	4 426.8
KEG RIVER B SOLVENT FLOOD	43 000	0.40	0.32	17 200	13 600	30 800	17 724.9	13 075.1
KEG RIVER D SOLVENT FLOOD	1 130	0.58	0.24	655	270	925	573.3	351.7
KEG RIVER E SOLVENT FLOOD	3 970	<0.46	0.40	1 800	1 590	3 390	1 521.9	1 868.1
KEG RIVER F WATER FLOOD	31 800	0.53	0.07	16 900	2 220	19 100	13 986.2	5 113.8
KEG RIVER G SOLVENT FLOOD	2 380	0.40	0.37	953	882	1 840	1 231.9	608.1
KEG RIVER H SOLVENT FLOOD	2 350	0.40	0.35	938	821	1 760	1 233.3	526.7
KEG RIVER I WATER FLOOD	6 130	<0.46	0.08	2 770	491	3 260	2 308.6	951.4
KEG RIVER K	1 780	0.35		623		623	389.9	233.1
KEG RIVER M	477	0.35		167		167	110.4	56.6
KEG RIVER N GAS FLOOD	1 150	0.32	0.18	368	207	575	534.5	40.5
KEG RIVER O SOLVENT FLOOD	6 210	0.40	0.40	2 480	2 480	4 960	3 685.0	1 275.0
KEG RIVER P	795	0.30		239		239	144.8	94.2
KEG RIVER R	71.0	<0.06		3.9		3.9	3.9	
KEG RIVER S	2 110	0.38		802		802	471.4	330.6
KEG RIVER T SOLVENT FLOOD	3 180	<0.42	0.40	1 330	1 270	2 600	1 680.9	919.1
KEG RIVER U	3 250	0.26		845		845	644.3	200.7
KEG RIVER V	84.7	<0.01		.4		.4	.4	
KEG RIVER W	340	0.15		51.0		51.0	30.4	20.6
KEG RIVER X	636	0.50		318		318	197.1	120.9
KEG RIVER Y	28.9	<0.06		1.5		1.5	1.5	
KEG RIVER Z SOLVENT FLOOD	1 270	0.32	0.28	406	356	762	556.1	205.9
KEG RIVER AA SOLVENT FLOOD	15 900	0.57	0.22	9 060	3 380	12 400	6 310.5	6 089.5
KEG RIVER DD	585	0.15		87.8		87.8	74.9	12.9
KEG RIVER EE WATER FLOOD	2 780	0.35	0.23	973	639	1 610	1 066.4	543.6
KEG RIVER FF SOLVENT FLOOD	1 130	0.42	0.40	474	451	925	801.3	123.7
KEG RIVER GG	1 300	0.47		610		610	363.8	246.2
KEG RIVER HH	752	0.10		74.2		74.2	3.1	71.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS
81	9.14	0.060	0.10	0.75	105	834	77	14 600	1 625.5	1967	84 12 - SUSP 83 07
970	9.14	0.057	0.15	0.74	103	825	88	15 480	1 639.5	1965	76 08 - GPP
81	5.76	0.050	0.15	0.80	56	834	86	14 550	1 604.2	1968	79 04 - ABAND 79 04
164	20.39	0.068	0.17	0.76	81	834	84	14 930	1 593.5	1967	73 04
81	6.10	0.080	0.15	0.74	108	825	88	16 045	1 727.0	1975	82 12 - GPP
64	19.00	0.120	0.10	0.81	71	884	76	17 060	1 717.1	1978	79 07
64	2.50	0.100	0.08	0.78	87	845	84	15 100	1 761.8	1983	83 09 - PREV CONF
64	14.50	0.075	0.17	0.76	95	834	85	14 617	1 840.0	1982	83 10 - PREV CONF
256	19.30	0.080	0.13	0.82	57	835	80	8 500	1 833.0	1983	84 08 - PREV CONF
64	5.80	0.060	0.20	0.76	85	828	84	10 200	1 804.0	1965	84 08
253	90.22	0.101	0.10	0.69	141	811	84	18 090	1 944.9	1965	70 02 - I.S. NO. 1
1 090	69.12	0.080	0.13	0.82	62	834	85	17 170	1 820.0	1965	84 07
34	45.72	0.100	0.08	0.78	77	825	82	17 780	1 923.3	1966	67 12 - I.S. NO. 1
69	69.49	0.120	0.09	0.76	95	829	83	17 130	1 808.4	1966	67 12 - I.S. NO. 1
1 644	73.30	0.045	0.15	0.69	135	815	85	17 480	1 855.6	1966	75 05
65	68.58	0.080	0.08	0.72	85	829	83	17 860	1 874.8	1966	67 12 - I.S. NO. 1
19	176.00	0.094	0.08	0.80	78	829	84	20 350	1 893.1	1966	83 04 - I.S. NO. 1
268	68.88	0.055	0.15	0.71	122	820	79	16 450	1 739.2	1966	75 06
376	24.72	0.035	0.26	0.74	106	815	88	15 890	1 786.7	1966	70 02
106	16.40	0.047	0.22	0.75	106	797	84	15 620	1 680.1	1966	68 02 - GPP
227	30.50	0.030	0.28	0.77	87	815	84	15 860	1 839.8	1966	83 12 - I.S. NO. 2
281	61.26	0.060	0.13	0.69	135	815	84	16 550	1 845.0	1966	68 02 - I.S. NO. 1
40	33.71	0.085	0.11	0.77	88	834	83	16 730	1 875.7	1967	82 12 - GPP
20	12.19	0.045	0.20	0.80	76	855	87	15 550	1 727.3	1967	78 10 - SUSP 77 08
342	17.75	0.055	0.19	0.78	87	825	85	15 580	1 734.9	1966	84 12 - GPP
87	52.73	0.097	0.08	0.78	78	844	86	16 690	1 769.4	1967	71 01 - I.S. NO. 2
244	27.10	0.074	0.16	0.79	79	844	88	15 560	1 738.0	1966	80 07
65	5.49	0.048	0.29	0.70	99	844	87	14 960	1 502.4	1966	68 05 - SUSP 68 04
38	21.95	0.066	0.19	0.77	93	811	77	15 780	1 864.5	1967	81 12 - GPP
68	17.37	0.090	0.13	0.69	131	815	87	15 510	1 624.9	1966	81 07
65	5.79	0.020	0.45	0.70	126	820	87	15 200	1 561.5	1966	70 11 - SUSP 70 01
95	55.17	0.040	0.20	0.76	86	834	86	15 580	1 595.6	1967	83 12 - I.S. NO. 2
259	97.35	0.092	0.11	0.77	92	829	84	16 090	1 684.0	1967	76 03 - I.S. NO. 11
134	18.47	0.040	0.25	0.79	80	820	87	15 840	1 797.7	1967	82 12
148	45.04	0.063	0.14	0.77	88	834	86	15 170	1 686.5	1967	84 12 - 1.5. NO. 11
44	47.85	0.078	0.10	0.77	86	839	87	15 820	1 716.6	1967	69 03 - I.S. NO. 2
191	29.14	0.040	0.22	0.75	81	784	93	15 890	1 706.0	1966	73 12
65	42.06	0.046	0.25	0.80	85	820	84	17 930	1 881.5	1967	69 01

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
				LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)				
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER II	3 490	0.50	0.25	1 750	873	2 620	1 642.7	977.3
SOLVENT FLOOD								
KEG RIVER JJ	1 360	<0.43	0.12	583	164	747	494.1	252.9
WATER FLOOD								
KEG RIVER KK	787	0.41	0.09	323	70.9	394	188.4	205.6
WATER FLOOD								
KEG RIVER LL	1 590	0.15		238		238	145.5	92.5
KEG RIVER MM	1 840	0.35		644		644	124.1	519.9
KEG RIVER NN	679	0.25		170		170	102.9	67.1
KEG RIVER OO	513	0.35	0.12	180	61.7	242	201.9	40.1
WATER FLOOD								
KEG RIVER PP TOTAL	570			262	39.9	302	172.1	129.9
PRIMARY AREA	285	0.46		131		131		
WATER FLOOD AREA	285	0.46	0.14	131	39.9	171		
KEG RIVER QQ	1 210	0.35	0.18	423	218	641	336.1	304.9
WATER FLOOD								
KEG RIVER RR	413	0.40	0.13	165	53.7	219	198.3	20.7
WATER FLOOD								
KEG RIVER SS	477	0.10		47.7		47.7	27.7	20.0
KEG RIVER TT	41.5	<0.02		.5		.5	.5	
KEG RIVER UU	106	0.10		10.6		10.6	8.1	2.5
KEG RIVER VV	319	0.36	0.11	115	35.1	150	110.2	39.8
WATER FLOOD								
KEG RIVER WW	477	0.20		95.4		95.4	52.4	43.0
KEG RIVER XX	183	0.35		64.0		64.0	25.6	38.4
KEG RIVER ZZ	300	0.40		120		120	79.9	40.1
KEG RIVER BBB	600	0.30		180		180	61.3	118.7
KEG RIVER CCC	556	0.35		195		195	128.3	66.7
KEG RIVER DDD	928	0.40	0.11	372	102	474	152.8	321.2
WATER FLOOD								
KEG RIVER EEE	1 910	0.40	0.30	764	572	1 340	690.4	649.6
SOLVENT FLOOD								
KEG RIVER GGG	569	0.40		228		228	22.5	205.5
KEG RIVER HHH	254	0.15		38.1		38.1	22.3	15.8
KEG RIVER III	186	<0.01		.3		.3	.3	
KEG RIVER JJJ	195	<0.01		.4		.4	.4	
KEG RIVER KKK	159	0.35		55.6		55.6	29.6	26.0
KEG RIVER LLL	378	0.30		113		113	33.1	79.9
KEG RIVER MMM	159	<0.01		1.3		1.3	1.3	
KEG RIVER NNN	375	<0.01		.9		.9	.9	
KEG RIVER OOO	234	<0.20	0.08	45.1	18.7	63.8	63.8	
WATER FLOOD								
KEG RIVER QQQ	1 750	0.15		263		263	175.6	87.4
KEG RIVER RRR	440	0.40	0.10	176	44.5	221	171.1	49.9
WATER FLOOD								
KEG RIVER SSS	195	0.30		58.6		58.6	30.0	28.6
KEG RIVER TTT	454	0.30		136		136	74.1	61.9
KEG RIVER UUU	111	0.30		33.4		33.4	13.3	20.1
KEG RIVER VVV	137	<0.02		1.9		1.9	1.9	
KEG RIVER WWW	377	0.15		56.6		56.6	10.9	45.7
KEG RIVER XXX	233	0.30		69.9		69.9	2.9	67.0
KEG RIVER YYY	140	0.20		28.0		28.0	7.5	20.5
KEG RIVER ZZZ	205	0.35		71.8		71.8	1.1	70.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
73	71.48	0.100	0.12	0.76	85	820	89	17 440	1 812.0	1967	84 01	3
51	48.77	0.085	0.10	0.72	110	815	90	16 990	1 817.5	1967	73 09 - I.S. NO. 11	5
154	22.46	0.040	0.25	0.76	74	779	94	16 290	1 741.9	1967	73 04 - I.S. NO. 11	8
304	35.97	0.026	0.30	0.80	68	797	86	15 480	1 603.0	1967	69 02	10
518	25.10	0.027	0.32	0.77	81	855	84	15 070	1 679.5	1967	84 06 - GPP	11
166	13.01	0.053	0.23	0.77	70	806	86	15 310	1 612.8	1967	82 12 - GPP	12
111	12.19	0.060	0.17	0.76	92	825	85	15 310	1 634.9	1967	74 04	14
90					106	784	94	15 490	1 668.5	1968	84 12	16
45	38.60	0.030	0.22	0.71								17
45	38.60	0.030	0.22	0.71								18
112	39.32	0.045	0.21	0.77	94	839	85	15 240	1 673.0	1968	69 07 - I.S. NO. 11	20
39	24.40	0.070	0.15	0.73	98	779	93	16 000	1 739.2	1968	84 12 - I.S. NO. 11	22
47	28.65	0.054	0.20	0.82	57	834	87	15 240	1 710.8	1968	75 12 - GPP	24
36	10.15	0.023	0.35	0.75	108	797	83	15 530	1 670.6	1967	77 09 - SUSP 77 11	26
23	26.81	0.031	0.28	0.77	87	815	86	15 720	1 810.2	1967	78 04 - SUSP 82 07	27
71	22.00	0.040	0.25	0.68	74	834	73	16 130	1 750.5	1968	83 12 - I.S. NO. 11	28
50	58.49	0.030	0.30	0.78	81	849	82	15 170	1 509.9	1968	84 12 - GPP	30
39	18.87	0.040	0.20	0.77	75	825	84	15 480	1 747.4	1968	71 01 - GPP	32
45	27.43	0.040	0.22	0.78	84	834	87	15 070	1 513.3	1968	84 12	33
106	30.25	0.032	0.24	0.77	95	839	82	15 720	1 574.3	1968	84 12	34
41	39.93	0.050	0.15	0.79	89	839	80	15 860	1 562.7	1968	70 02	35
61	40.63	0.054	0.15	0.82	55	834	87	15 200	1 574.6	1968	70 12 - I.S. NO. 11	36
24	64.01	0.168	0.05	0.77	95	839	86	14 490	1 855.3	1968	72 02 - I.S. NO. 1	39
80	22.86	0.050	0.19	0.77	85	834	84	15 030	1 504.0	1968	73 08	41
303	9.69	0.018	0.40	0.80	68	797	84	15 490	1 590.1	1967	82 12 - GPP	42
38	20.33	0.042	0.25	0.77	85	834	82	15 070	1 514.9	1969	77 04 - SUSP 77 02	43
28	46.33	0.026	0.30	0.82	68	839	86	15 110	1 532.2	1969	71 01 - SUSP 70 07	45
11	40.84	0.053	0.15	0.79	82	834	88	15 700	1 892.8	1969	75 04 - GPP	46
69	35.84	0.025	0.27	0.84	55	844	87	15 110	1 523.4	1969	70 01	47
12	30.63	0.066	0.18	0.79	66	834	86	15 400	1 875.7	1969	75 06 - SUSP 73 12	48
65	33.83	0.033	0.35	0.80	67	839	79	15 240	1 604.5	1969	82 12 - SUSP 70 06	49
81	9.91	0.045	0.20	0.81	64	811	97	15 860	1 748.9	1970	83 12 - I.S. NO. 11	51
383	13.81	0.053	0.22	0.80	55	811	90	15 280	1 609.6	1968	79 12 - GPP	53
35	28.25	0.067	0.12	0.76	92	825	88	14 910	1 619.7	1971	74 04	54
65	10.06	0.047	0.16	0.76	101	825	84	15 360	1 687.7	1972	73 12	57
65	20.97	0.058	0.25	0.77	89	811	88	15 720	1 861.4	1973	77 02	58
31	12.41	0.048	0.20	0.76	92	815	83	15 479	1 688.0	1974	75 10	59
65	8.75	0.043	0.27	0.77	85	834	89	14 580	1 491.4	1976	82 12 - SUSP 78 03	60
32	54.00	0.040	0.30	0.78	81	810	87	14 866	1 579.0	1980	83 12 - GPP	61
64	12.00	0.050	0.20	0.76	104	815	72	13 823	1 539.0	1982	82 07 - SUSP 84 04	63
45	50.00	0.020	0.60	0.78	81	783	93	9 611	1 614.5	1982	83 12	64
64	15.00	0.040	0.28	0.74	105	803	45	9 200	1 584.4	1983	84 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction		10^3m^3				
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER B2B	313	0.15		47.0		47.0	1.0	46.0
RAINBOW SOUTH 107-09W6								
SULPHUR POINT B	23.8	0.04		1.0		1.0	1.0	
MUSKEG A	37.0	<0.24		8.6		8.6	8.6	
MUSKEG B	238	0.17		40.5		40.5	16.7	23.8
MUSKEG D	157	0.30		47.1		47.1	11.0	36.1
MUSKEG F	448	<0.01		.2		.2	.2	
MUSKEG G	1 220	0.15		183		183	22.4	160.6
MUSKEG H	626	0.15		93.9		93.9	41.7	52.2
MUSKEG I	518	0.15		77.7		77.7	18.4	59.3
MUSKEG J	214	0.20		42.8		42.8	5.2	37.6
MUSKEG K	364	0.15		54.6		54.6	7.4	47.2
MUSKEG M	267	0.25		66.8		66.8	3.7	63.1
MUSKEG N	511	0.20		102		102		102.0
KEG RIVER A	5 720	0.46	0.08	2 630	445	3 080	1 623.5	1 456.5
WATER FLOOD								
KEG RIVER B	6 520	<0.46	0.35	2 940	2 270	5 210	3 099.0	2 111.0
SOLVENT FLOOD								
KEG RIVER C	39.6	<0.03		.9		.9	.9	
KEG RIVER D	207	0.30		62.1		62.1	9.0	53.1
KEG RIVER E	7 150	0.50	0.06	3 580	429	4 010	2 101.3	1 908.7
WATER FLOOD								
KEG RIVER F	1 010	0.35		354		354	129.6	224.4
KEG RIVER G	3 180	0.48	0.09	1 530	286	1 820	972.0	848.0
WATER FLOOD								
KEG RIVER H	672	0.45		302		302	270.5	31.5
KEG RIVER I	472	0.12		56.6		56.6	49.2	7.4
KEG RIVER J	514	0.35		180		180	21.6	158.4
KEG RIVER K	173	0.45		77.8		77.8	29.6	48.2
KEG RIVER L	95.2	0.35		33.3		33.3	19.0	14.3
KEG RIVER M	154	0.25		38.5		38.5	5.6	32.9
KEG RIVER N	5 000	0.35		1 750		1 750	210.9	1 539.1
KEG RIVER P	340	0.35		119		119	31.3	87.7
RAINIER 017-15W4								
GLAUCONITIC B	100	0.10		10.0		10.0	4.0	6.0
RED COULEE 001-17W4								
MOULTON A	270	0.14	0.09	37.8	24.3	62.1	58.2	3.9
WATER FLOOD								
MOULTON B TOTAL	993			62.0	96.1	158	156.1	1.9
PRIMARY AREA	119	0.08		9.5		9.5		
WATER FLOOD AREA	874	0.06	0.11	52.4	96.1	149		
MOULTON C	540	<0.23	0.13	192	70.2	192	192.1	
WATER FLOOD								
SUNBURST A	299	<0.04		10.5		10.5	9.8	.7
SUNBURST B	445	0.11		48.9		48.9	44.0	4.9
RED EARTH 088-08W5								
SLAVE POINT A TOTAL	8 220			469	351	820	410.9	409.1
PRIMARY AREA	5 340	0.05		267		267		
WATER FLOOD AREA	2 880	0.07	0.13	202	351	553		
SLAVE POINT C	240	0.15		36.0		36.0	25.8	10.2
SLAVE POINT E	6 790	0.06		407		407	152.9	254.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	55.50	0.020	0.42	0.76	69	834	88	13 928	1 680.3	1982	84 11	3
												4
												5
11	2.96	0.120	0.14	0.69	154	829	60	19 600	1 814.8	1973	78 09 - SUSP 78 06	6
5	19.87	0.080	0.20	0.64	180	811	88	18 480	1 893.4	1965	83 12 - SUSP 82 01	7
42	9.14	0.098	0.10	0.71	121	825	84	16 220	1 830.3	1969	71 01	8
32	9.54	0.080	0.15	0.75	107	820	82	17 750	1 925.4	1968	82 05	9
												10
64	16.70	0.080	0.25	0.70	124	825	72	17 360	1 903.0	1968	78 04 - ABAND 79 10	11
128	19.80	0.080	0.14	0.70	138	825	66	17 980	1 911.1	1978	82 11	12
65	17.68	0.080	0.10	0.76	89	820	77	17 350	1 829.4	1967	78 11	13
64	14.00	0.100	0.15	0.68	125	825	90	17 600	1 922.4	1978	79 06	14
64	8.00	0.070	0.12	0.68	130	802	78	17 326	1 906.5	1979	83 05	15
												16
64	13.80	0.070	0.08	0.64	160	789	90	16 547	1 918.4	1982	83 07 - PREV CONF	17
64	12.19	0.067	0.28	0.71	112	828	84	12 400	1 851.2	1967	84 08	18
64	14.60	0.080	0.10	0.76	86	789	87	9 425	1 867.4	1969	84 11	19
167	65.17	0.097	0.14	0.63	176	801	81	18 600	1 945.2	1965	68 02 - GPP	20
												21
												22
223	79.86	0.060	0.14	0.71	162	811	85	18 820	1 969.0	1966	68 02	23
												24
51	4.27	0.040	0.30	0.65	171	811	88	18 060	1 947.7	1966	68 02 - SUSP 68 11	25
101	18.35	0.028	0.30	0.57	225	775	92	18 620	1 943.1	1965	84 08 - GPP	26
177	92.57	0.075	0.12	0.66	159	806	90	18 930	1 964.1	1966	71 09 - GPP	27
												28
												29
46	47.70	0.093	0.14	0.57	249	797	88	22 410	1 903.8	1967	73 12 - GPP	30
85	72.48	0.088	0.11	0.66	160	806	88	18 510	1 917.8	1967	71 09 - GPP	31
												32
69	32.28	0.050	0.17	0.73	118	811	88	17 850	1 929.5	1967	83 12	33
58	25.57	0.050	0.15	0.75	106	801	83	17 860	1 947.4	1968	83 12	34
												35
30	19.40	0.138	0.15	0.75	101	801	92	17 830	1 941.6	1968	84 11	36
77	10.70	0.036	0.22	0.75	101	788	95	18 030	1 975.7	1968	82 10	37
20	13.56	0.057	0.20	0.77	88	797	98	18 290	1 971.6	1968	82 04	38
32	15.24	0.057	0.25	0.74	105	801	98	18 230	2 020.8	1969	71 05	39
172	61.74	0.073	0.14	0.75	159	796	69	18 170	1 983.6	1978	83 04	40
												41
56	25.00	0.040	0.19	0.75	91	801	74	17 582	1 927.3	1982	82 07	42
												43
												44
85	1.00	0.180	0.26	0.88	53	888	38	13 432	1 031.8	1981	82 12 - GPP	45
												46
												47
97	2.53	0.180	0.33	0.91	30	825	27	4 900	799.5	1952	68 07 - GPP	48
												49
97					21	825	27	1 480	785.5	1965	77 03 - GPP	50
16	5.55	0.187	0.26	0.96								51
												52
81	8.14	0.187	0.26	0.96								53
89	5.18	0.180	0.24	0.86	30	825	28	5 050	742.8	1965	82 12 - GPP	54
												55
65	6.71	0.150	0.50	0.92	35	904	28	2 880	746.2	1975	82 12 - GPP	56
53	7.62	0.200	0.40	0.92	35	904	28	2 760	698.0	1931	76 12 - GPP	57
												58
												59
3 894					21	820	48	12 459	1 310.2	1958	83 12 - GPP	60
2 982	2.85	0.090	0.25	0.93								61
912	5.03	0.090	0.25	0.93								62
91	4.60	0.085	0.25	0.90	24	829	48	12 170	1 346.6	1968	82 12 - GPP	63
												64
2 535	3.84	0.100	0.25	0.93	42	834	39	12 417	1 264.4	1970	78 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
RED EARTH 088-08W5 (CONTINUED)								
SLAVE POINT F	119	0.10		11.9		11.9	7.6	4.3
SLAVE POINT G	137	0.10		13.7		13.7	6.5	7.2
SLAVE POINT I	1 060	0.10		106		106	21.8	84.2
SLAVE POINT J	144	0.10		14.4		14.4	4.7	9.7
SLAVE POINT M	177	0.10		17.7		17.7	2.5	15.2
SLAVE POINT N	117	0.10		11.7		11.7	1.4	10.3
SLAVE POINT O	246	0.10		24.6		24.6	.5	24.1
SLAVE POINT P	286	0.10		28.6		28.6	6.0	22.6
SLAVE POINT T	196	0.10		19.6		19.6		19.6
GRANITE WASH A	14 400	0.30		4 320		4 320	2 744.6	1 575.4
GRANITE WASH B	76.6	<0.11		8.0		8.0	8.0	
GRANITE WASH C	2 640	0.30		792		792	619.1	172.9
GRANITE WASH D	477	<0.02		5.1		5.1	5.1	
GRANITE WASH E TOTAL	4 000			1 000	90.0	1 090	672.8	417.2
PRIMARY AREA	2 200	0.25		550		550		
WATER FLOOD AREA	1 800	0.25	0.05	450	90.0	540		
GRANITE WASH F	142	<0.02		1.9		1.9	1.9	
GRANITE WASH I	136	0.10		13.5		13.5	8.1	5.4
GRANITE WASH J	337	0.15		50.5		50.5	29.8	20.7
GRANITE WASH K	558	0.07		39.1		39.1	26.2	12.9
GRANITE WASH L	427	0.02		8.5		8.5	7.6	.9
GRANITE WASH M	45.6	0.15		6.8		6.8	4.0	2.8
GRANITE WASH N	68.3	0.20		13.7		13.7	11.4	2.3
GRANITE WASH O	440	0.01		4.4		4.4	4.4	
GRANITE WASH P	132	0.15		19.8		19.8	5.4	14.4
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5	
GRANITE WASH R	231	<0.01		.1		.1		.1
GRANITE WASH S	159	<0.01		.3		.3	.3	
GRANITE WASH T	259	0.03		7.8		7.8	3.3	4.5
GRANITE WASH U	100	0.20		20.0		20.0	3.2	16.8
GRANITE WASH V	372	0.30		112		112	8.1	103.9
GRANITE WASH W	198	0.20		39.6		39.6	3.1	36.5
GRANITE WASH X	356	0.20		71.2		71.2	9.1	62.1
GRANITE WASH Y	408	0.30		122		122	7.2	114.8
GRANITE WASH Z	464	0.30		139		139	3.0	136.0
GRANITE WASH AA	343	0.30		103		103	1.5	101.5
GRANITE WASH BB	183	0.15		27.4		27.4	3.8	23.6
GRANITE WASH CC	55.7	0.10		5.6		5.6	.7	4.9
GRANITE WASH EE	531	0.15		79.7		79.7	1.9	77.8
RED ROCK 063-06W6								
CARDIUM A	80.0	0.10		8.0		8.0	3.5	4.5
RED WILLOW 039-16W4								
GLAUCONITIC A	228	0.10		22.8		22.8	3.9	18.9
GLAUCONITIC B	105	<0.01		.2		.2	.2	
CAMROSE A	474	0.25		119		119	13.8	105.2
D-3 A	326	<0.01		.3		.3	.3	
REDWATER 057-21W4								
UPPER VIKING G	225	<0.01		.1		.1		.1
UP-MID-LOW VIKING A	3 710	0.10		371		371	117.7	253.3
LOWER VIKING B	4 000	0.10		400		400	103.6	296.4
LOWER VIKING H	600	0.10		60.0		60.0	19.0	41.0
UPPER MANNVILLE E	270	0.10		27.0		27.0	.3	26.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
65	3.35	0.076	0.20	0.90	43	829	82	13 180	1 325.3	1973	74 03 - GPP	3
65	3.35	0.100	0.30	0.90	43	829	43	13 310	1 328.3	1974	74 06 - GPP	4
256	6.98	0.085	0.25	0.93	19	825	39	10 897	1 278.8	1979	81 09 - GPP	5
64	4.60	0.070	0.25	0.93	19	810	39	2 689	1 291.3	1966	81 01 - GPP	6
												7
64	4.00	0.100	0.25	0.92	21	823	39	2 730	1 348.3	1982	83 02	8
64	2.40	0.110	0.25	0.92	21	821	39	2 730	1 354.8	1983	83 06 - PREV CONF	9
64	6.50	0.095	0.33	0.93	22	843	43	2 461	1 361.8	1983	84 01 - PREV CONF	10
64	12.00	0.080	0.50	0.93	21	837	41	3 330	1 497.4	1982	82 06	11
64	5.83	0.090	0.35	0.90	34	828	38	400	1 219.9	1982	84 12	12
												13
3 776	3.72	0.149	0.20	0.86	56	825	42	16 130	1 433.8	1958	75 12	14
65	1.83	0.094	0.20	0.86	56	825	43	15 820	1 438.4	1965	74 12 - SUSP 74 01	15
241	11.90	0.134	0.20	0.86	56	825	42	16 000	1 460.9	1956	81 12	16
129	3.60	0.149	0.20	0.86	56	825	43	15 930	1 453.6	1965	74 12 - SUSP 74 05	17
1 136					56	825	42	15 380	1 492.0	1959	84 06 - GPP	18
												19
944	3.15	0.130	0.33	0.85								20
192	11.95	0.142	0.35	0.85								21
64	3.23	0.093	0.15	0.86	56	825	43	15 860	1 502.1	1965	84 11 - ABAND 67 01	22
65	2.74	0.119	0.25	0.86	56	825	43	15 960	1 512.0	1963	74 12 - SUSP 83 09	23
130	3.35	0.120	0.25	0.86	56	825	53	15 790	1 500.2	1967	75 12 - GPP	24
												25
130	4.97	0.126	0.20	0.86	56	825	42	15 960	1 516.0	1968	81 12	26
129	3.96	0.126	0.23	0.86	56	834	52	15 450	1 520.0	1958	84 03 - GPP	27
65	.91	0.112	0.20	0.86	56	829	52	15 440	1 469.7	1970	71 03 - GPP	28
65	1.28	0.120	0.20	0.86	60	834	48	15 620	1 506.6	1970	76 12 - SUSP 83 08	29
65	5.49	0.180	0.20	0.86	57	829	42	15 250	1 435.6	1973	76 12 - SUSP 76 01	30
												31
64	2.00	0.150	0.20	0.86	56	832	42	17 740	1 466.0	1979	79 12 - GPP	32
64	2.00	0.120	0.30	0.86	56	834	72	14 756	1 473.5	1979	83 12 - SUSP 81 09	33
64	3.50	0.150	0.20	0.86	56	825	56	7 200	1 415.7	1980	81 12 - ABAND 81 01	34
64	3.20	0.180	0.50	0.86	56	825	48	9 560	1 438.9	1980	81 12 - ABAND 81 01	35
64	4.80	0.140	0.30	0.86	140	838	27	15 096	1 501.8	1981	83 12 - GPP	36
												37
64	1.50	0.160	0.24	0.86	48	825	45	14 963	1 488.3	1982	82 11	38
64	6.10	0.140	0.20	0.80	64	829	42	14 342	1 493.0	1982	83 02	39
64	3.50	0.130	0.20	0.85	64	826	42	14 342	1 488.5	1983	83 05 - PREV CONF	40
64	5.00	0.160	0.20	0.87	48	825	42	9 150	1 470.0	1983	83 10 - PREV CONF	41
64	5.30	0.175	0.20	0.86	50	843	45	6 700	1 473.9	1983	84 01 - PREV CONF	42
												43
64	6.20	0.170	0.20	0.86	50	841	43	6 700	1 471.3	1983	84 01 - PREV CONF	44
64	6.00	0.130	0.20	0.86	50	843	47	6 700	1 483.0	1983	84 01 - PREV CONF	45
64	3.50	0.120	0.20	0.85	64	843	42	14 342	1 490.5	1983	84 02 - PREV CONF	46
64	1.50	0.110	0.38	0.85	64	831	42	14 342	1 519.3	1982	84 03	47
64	6.70	0.180	0.20	0.86	48	845	49	7 250	1 443.3	1981	82 06	48
												49
												50
102	1.40	0.120	0.25	0.62	254	784	52	21 052	1 735.7	1982	83 12	51
												52
												53
64	3.00	0.220	0.35	0.83	71	868	39	8 697	1 132.0	1981	82 04	54
64	2.00	0.180	0.45	0.83	60	850	47	8 948	1 114.7	1981	82 10 - SUSP 82 11	55
128	9.70	0.053	0.10	0.80	56	890	48	9 753	1 335.8	1983	84 05 - PREV CONF	56
64	12.50	0.060	0.15	0.80	35	947	48	10 108	1 340.8	1981	84 12 - ABAND 84 07	57
												58
												59
64	3.00	0.200	0.35	0.90	36	882	45	5 102	631.6	1976	83 12 - SUSP 81 12	60
1 635	2.26	0.190	0.40	0.88	28	800	27	5 030	649.9	1976	83 10 - GPP	61
1 536	2.80	0.180	0.44	0.92	35	865	28	5 772	680.5	1977	83 10	62
320	1.67	0.220	0.42	0.88	37	847	31	5 367	647.5	1976	83 12	63
												64
64	3.00	0.260	0.40	0.90	44	885	30	5 996	754.5	1981	81 09 - SUSP 83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	REDWATER 057-21W4 (CONTINUED)								
3	BASAL MANNVILLE D	888	0.02		17.8		17.8	3.0	14.8
4	BASAL MANNVILLE E	253	0.15		38.0		38.0	30.3	7.7
5	BASAL MANNVILLE F	106	0.20		21.2		21.2	8.6	12.6
6	BASAL MANNVILLE H	1 040	0.10		104		104	12.3	91.7
7									
8	BASAL MANNVILLE I	266	<0.01		1.4		1.4	1.4	
9	BASAL MANNVILLE J	243	0.10		24.3		24.3	7.9	16.4
10	BASAL MANNVILLE R	188	<0.01		.2		.2	.2	
11	BASAL MANNVILLE T	245	0.01		2.5		2.5	.2	2.3
12	ELLERSLIE A	103	0.05		5.2		5.2	.1	5.1
13									
14	D-3	207 000	0.62		128 000		128 000	121 350.5	6 649.5
15									
16	RETLAW 012-18W4								
17	MANNVILLE A	868	0.10		86.8		86.8	15.9	70.9
18	MANNVILLE II	288	0.03		8.6		8.6	1.9	6.7
19	MANNVILLE KK	139	0.10		13.9		13.9	5.0	8.9
20	MANNVILLE LL	2 480	0.10		248		248	51.6	196.4
21									
22	MANNVILLE SS	429	<0.01		1.0		1.0	1.0	
23	MANNVILLE TT	1 310	0.01		13.1		13.1	2.8	10.3
24	MANNVILLE B&D	300	0.04		12.0		12.0	6.9	5.1
25	MANNVILLE CCC	290	0.05		14.5		14.5	3.2	11.3
26	MANNVILLE DDD	52.8	<0.01		.1		.1	.1	
27									
28	MANNVILLE MMM	176	0.10		17.6		17.6	.7	16.9
29	MANNVILLE NNN	187	0.15		28.0		28.0	6.5	21.5
30	MANNVILLE RRR	163	0.10		16.3		16.3	3.8	12.5
31	MANNVILLE WWW	60.2	0.10		6.0		6.0	.2	5.8
32	MANNVILLE YYY	48.4	<0.01		.2		.2	.2	
33									
34	RICH 034-21W4								
35	D-2 A	200	0.40		80.0		80.0	15.1	64.9
36	D-3 A	6 190	0.50		3 100		3 100	471.7	2 628.3
37									
38	RICHDALE 030-13W4								
39	UPPER MANNVILLE F	216	0.10		21.6		21.6	.1	21.5
40	UPPER MANNVILLE G	912	0.10		91.2		91.2	10.4	80.8
41	UPPER MANNVILLE K	466	0.03		14.0		14.0	5.0	9.0
42	UPPER MANNVILLE L	1 110	0.10		111		111	5.1	105.9
43									
44	LOWER MANNVILLE F	116	<0.01		.4		.4	.4	
45	LOWER MANNVILLE O	122	0.10		12.2		12.2		12.2
46									
47	RICINUS 034-08W5								
48	CARDIUM A	14 300	0.20		2 880		2 880	1 100.2	1 779.8
49	CARDIUM B	600	0.18		108		108	66.2	41.8
50	CARDIUM C	1 270	0.05		63.6		63.6	36.5	27.1
51	CARDIUM D	2 380	0.10		238		238	159.0	79.0
52									
53	CARDIUM E	822	0.05		41.1		41.1	24.2	16.9
54	CARDIUM F	950	0.10		95.0		95.0	40.5	54.5
55	CARDIUM G	600	0.15		90.0		90.0	56.9	33.1
56	CARDIUM H	1 080	0.15		162		162	74.2	87.8
57	CARDIUM K	338	0.10		33.8		33.8	26.3	7.5
58									
59	CARDIUM L	5 000	0.15		750		750	430.3	319.7
60	CARDIUM M	207	0.12		24.8		24.8	11.3	13.5
61	CARDIUM Q	492	0.05		24.6		24.6	18.2	6.4
62	CARDIUM S	814	0.10		81.4		81.4	30.2	51.2
63	CARDIUM T	2 260	<0.01		7.3		7.3	7.3	
64									
65	CARDIUM V	3 160	0.10		316		316	68.2	247.8

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS
80	7.75	0.220	0.30	0.93	23	931	43	5 960	854.7	1977	84 12 - GPP
108	1.83	0.200	0.20	0.80		843	41	6 640	1 022.0	1954	84 12 - GPP
64	.92	0.250	0.20	0.90	35	860	38	6 590	1 014.3	1976	83 12 - GPP
112	6.25	0.250	0.34	0.90	46	925	30	5 962	852.5	1979	84 12 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	11 500	854.3	1979	83 12 - SUSP 82 11
64	2.50	0.260	0.35	0.90	43	855	30	6 751	946.1	1979	80 08 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 083	866.1	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 500	848.9	1981	82 11 - SUSP 83 12
16	3.00	0.300	0.23	0.93	26	948	34	5 694	832.1	1982	83 07
15 199	31.39	0.065	0.25	0.89	33	844	34	7 340	977.8	1948	72 02 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 650	1 108.0	1959	84 12 - GPP
128	3.70	0.100	0.30	0.87	62	876	32	10 880	1 092.6	1978	80 12 - GPP
64	4.30	0.080	0.25	0.84	74	865	36	10 560	1 089.5	1977	78 10
320	5.95	0.210	0.27	0.85	70	891	38	11 690	1 084.3	1979	83 04
64	8.00	0.150	0.35	0.86	62	900	37	11 479	1 077.5	1980	84 12 - SUSP 82 09
128	14.88	0.134	0.41	0.87	58	900	37	11 078	1 082.5	1980	83 12 - GPP
125	1.83	0.221	0.30	0.85	62	876	38	11 780	1 091.2	1959	84 12 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 838	1 108.8	1981	84 12
64	.80	0.160	0.25	0.86	64	885	30	11 943	1 078.0	1980	83 12 - SUSP 83 06
64	1.80	0.240	0.25	0.85	62	876	38	12 056	1 093.5	1963	82 10 - GPP
65	3.00	0.170	0.35	0.87	62	870	33	11 366	1 097.4	1980	83 12
64	2.50	0.184	0.35	0.85	73	896	33	11 583	1 097.2	1982	83 01
64	1.10	0.180	0.46	0.88	56	899	34	12 184	1 097.3	1983	83 06 - PREV CONF
16	2.00	0.220	0.20	0.86	62	887	32	9 350	1 097.7	1983	84 03 - ABAND 84 02
50	7.00	0.080	0.12	0.81	74	865	55	10 500	1 683.9	1983	84 12
64	103.00	0.120	0.10	0.87	64	857	65	10 500	1 796.3	1982	84 11
64	4.30	0.160	0.46	0.91	37	882	37	7 200	1 120.5	1981	82 05 - SUSP 84 06
192	6.00	0.190	0.51	0.85	63	852	39	8 998	1 110.3	1979	84 11
395	1.01	0.210	0.33	0.83	80	855	38	9 119	1 117.2	1971	79 12 - SUSP 83 01
128	7.65	0.230	0.42	0.85	60	847	34	7 200	1 109.9	1983	84 09 - PREV CONF
64	1.83	0.170	0.35	0.89	44	865	35	9 410	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	8 700	1 145.2	1981	83 04
2 255	8.17	0.140	0.12	0.63	226	806	83	27 280	2 748.5	1969	77 12
67	11.34	0.170	0.27	0.64	250	815	82	27 421	2 732.0	1969	83 10 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 110	2 467.0	1969	75 08
420	11.73	0.085	0.20	0.71	158	815	84	23 890	2 764.5	1969	71 02
444	3.05	0.134	0.13	0.52	323	801	78	26 930	2 650.5	1969	79 12 - GPP
64	23.90	0.100	0.15	0.73	130	788	54	13 900	1 810.5	1969	79 10 - GPP
92	10.10	0.110	0.14	0.68	144	811	71	20 860	2 310.1	1969	83 03
101	18.80	0.098	0.18	0.71	159	806	60	18 930	2 024.8	1969	83 03
65	7.80	0.127	0.12	0.60	213	811	78	28 440	2 679.2	1971	72 03
724	8.10	0.130	0.10	0.73	119	815	71	15 258	2 320.9	1970	79 11
210	2.44	0.075	0.23	0.70	160	811	63	18 720	2 061.7	1971	76 12
128	6.40	0.100	0.20	0.75	113	815	75	15 270	2 511.2	1973	82 07 - GPP
65	15.51	0.150	0.10	0.60	230	806	70	15 170	2 325.9	1974	75 02
130	16.15	0.160	0.10	0.75	108	806	63	12 411	1 915.4	1974	83 12 - SUSP 81 11
256	14.45	0.130	0.10	0.73	131	811	49	13 290	2 105.7	1976	79 05

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
RICINUS 034-08W5 (CONTINUED)								
CARDIUM W	4 290	0.10		429		429	166.2	262.8
CARDIUM X	874	0.10		87.4		87.4	59.6	27.8
CARDIUM Y	121	0.10		12.1		12.1	8.1	4.0
CARDIUM Z	450	0.05		22.5		22.5	8.6	13.9
CARDIUM AA	512	0.05		25.6		25.6	7.7	17.9
CARDIUM BB	327	0.03		9.8		9.8	1.9	7.9
CARDIUM CC	184	0.03		5.5		5.5	1.5	4.0
CARDIUM DD	359	0.10		35.9		35.9	11.8	24.1
CARDIUM EE	597	0.10		59.7		59.7	9.7	50.0
CARDIUM FF	182	0.05		9.1		9.1	1.4	7.7
CARDIUM GG	262	0.10		26.2		26.2	4.6	21.6
CARDIUM II	323	<0.01		.1		.1	.1	
CARDIUM KK	250	0.12		30.0		30.0	17.9	12.1
CARDIUM LL	467	0.10		46.7		46.7	3.5	43.2
CARDIUM MM	435	0.15		65.3		65.3		65.3
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	180	0.10		18.0		18.0	1.2	16.8
UPPER MANNVILLE A & LOWER MANNVILLE A	811	0.10		81.1		81.1	23.5	57.6
LOWER MANNVILLE B	279	0.20		55.8		55.8	7.5	48.3
LOWER MANNVILLE C	104	0.10		10.4		10.4	3.0	7.4
ROSEBUD 027-21W4								
BLAIRMORE	420	0.15		63.0		63.0	60.7	2.3
ROWLEY 032-20W4								
LOWER MANNVILLE A	944	<0.01		3.9		3.9	3.9	
LOWER MANNVILLE C	364	0.10		36.4		36.4	8.3	28.1
PEKISKO A	8 760	0.03		262		262	156.0	106.0
PEKISKO B	61.9	<0.01		.1		.1	.1	
ROYAL 053-16W4								
VIKING D	41.5	0.10		4.2		4.2	.4	3.8
VIKING F	110	0.10		11.0		11.0	.2	10.8
RYCROFT 077-05W6								
GETHING B	144	0.10		14.4		14.4	.2	14.2
CHARLIE LAKE A	1 780	0.10		178		178	40.2	137.8
CHARLIE LAKE B	149	0.10		14.9		14.9	3.2	11.7
CHARLIE LAKE C	36.8	0.10		3.7		3.7	.6	3.1
CHARLIE LAKE D	285	0.10		28.5		28.5	3.2	25.3
SADDLE HILLS 076-08W6								
DOE CREEK A	3 200	0.10		320		320	22.4	297.6
DOE CREEK C	160	<0.01		.1		.1	.1	
SAKWATAMAU 063-14W5								
GETHING A	1 350	0.18		243		243	45.7	197.3
GETHING B	69.3	<0.01		.1		.1	.1	
SAMSON 044-24W4								
BLAIRMORE A	1 460	<0.03		36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A	1 950	0.30		585		585	40.4	544.6

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m^3/m^3	kg/m^3	°C	kPa	m			
256	17.00	0.150	0.10	0.73	131	820	49	13 980	2 192.8	1976	79 05	3
129	11.25	0.100	0.20	0.75	108	806	63	13 618	2 157.1	1976	76 08	4
65	5.49	0.090	0.40	0.63	186	829	66	25 930	2 783.1	1977	78 01 - GPP	5
128	4.88	0.120	0.20	0.75	113	825	60	12 360	2 572.2	1977	82 07 - GPP	6
64	16.34	0.090	0.20	0.68	167	827	63	21 130	2 594.2	1977	82 12 - GPP	8
64	8.94	0.100	0.16	0.68	151	828	60	17 880	2 434.2	1977	82 11 - GPP	9
64	5.80	0.094	0.12	0.60	172	825	59	18 130	2 673.5	1978	82 12 - GPP	10
64	12.00	0.080	0.20	0.73	108	806	64	14 003	2 114.0	1978	80 09	11
128	10.65	0.080	0.25	0.73	115	802	58	13 500	2 155.9	1981	84 04	12
64	5.40	0.090	0.20	0.73	113	811	64	15 000	2 454.5	1981	84 12 - GPP	14
64	7.00	0.100	0.20	0.73	130	810	66	15 868	2 518.5	1981	82 04 - GPP	15
64	9.00	0.090	0.20	0.78	91	806	68	15 343	2 572.1	1981	84 07 - SUSP 83 02	16
97	4.32	0.135	0.31	0.64					2 745.6	1969	83 10 - GPP	17
64	11.00	0.110	0.15	0.71	160	805	60	18 803	2 154.3	1982	83 11 - PREV CONF	18
64	12.00	0.090	0.15	0.74	131	785	72	12 894	2 762.3	1983	84 09 - PREV CONF	20
64	3.00	0.180	0.35	0.80	54	885	46	10 305	1 482.8	1982	83 01	23
128	6.12	0.190	0.31	0.79	90	879	50	10 711	1 518.3	1979	81 11	24
64	4.80	0.180	0.37	0.80	60	857	46	9 320	1 577.0	1981	84 07	26
64	2.00	0.170	0.40	0.80	72	855	46	10 615	1 557.6	1982	82 10	28
312	1.25	0.173	0.26	0.84	44	876	49	10 000	1 415.2	1956	81 12 - GPP	31
65	17.37	0.140	0.25	0.80	51	870	52	9 480	1 417.9	1964	75 12 - ABAND 75 02	34
65	6.10	0.150	0.25	0.82	66	870	54	7 960	1 360.3	1977	78 02	35
1 812	11.64	0.069	0.30	0.86	70	870	50	10 700	1 365.5	1960	73 06 - GPP	36
64	1.50	0.100	0.25	0.86	43	870	49	7 677	1 363.3	1981	82 12 - SUSP 82 09	37
64	.80	0.180	0.50	0.90	40	840	30	4 052	650.9	1982	83 03 - GPP	40
128	1.14	0.210	0.45	0.80	40	848	33	4 953	615.9	1980	84 08	41
64	3.50	0.120	0.37	0.85	60	811	50	9 928	1 234.5	1983	84 03 - PREV CONF	44
576	2.96	0.150	0.18	0.85	62	889	54	12 774	1 376.3	1981	84 11	45
128	1.75	0.150	0.48	0.85	62	829	54	10 866	1 416.0	1983	84 12	46
64	.90	0.130	0.37	0.78	90	865	37	10 547	1 414.7	1982	83 05	47
192	2.93	0.127	0.53	0.85	62	829	54	10 866	1 414.4	1983	84 12	49
1 216	2.23	0.210	0.36	0.88	43	840	27	3 600	579.1	1983	84 10	52
64	2.26	0.206	0.39	0.88	38	834	28	4 350	577.0	1983	84 12 - SUSP 84 12	53
938	1.37	0.190	0.30	0.79	142	892	61	13 170	1 725.0	1977	78 07	56
65	1.43	0.120	0.25	0.83	142	892	59	13 090	1 664.5	1976	82 12 - SUSP 76 10	57
324	3.99	0.186	0.25	0.81	50	887	60	10 830	1 465.5	1953	83 12 - SUSP 80 05	60
256	14.81	0.073	0.19	0.87	57	822	38	10 839	1 597.7	1983	84 11	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2									
3	SEAL 082-14W5								
4	SLAVE POINT A	1 400	0.40		560		560	223.0	337.0
5									
6	SEIU LAKE 025-18W4								
7	LOWER MANNVILLE C	117	<0.05		5.8		5.8	5.8	
8	LOWER MANNVILLE G	776	0.05		38.8		38.8	4.7	34.1
9									
10	SENEX 092-04W5								
11	KEG RIVER A	1 570	0.05		78.8		78.8	33.3	45.5
12									
13	SHANE 077-02W6								
14	KISKATINAW A	67.2	0.10		6.7		6.7	4.2	2.5
15									
16	SHEKILIE 118-08W6								
17	MUSKEG A	95.3	0.20		19.1		19.1	16.3	2.8
18	MUSKEG C	233	0.20		46.6		46.6	5.9	40.7
19	MUSKEG D	280	0.20		56.0		56.0	.7	55.3
20	MUSKEG E	213	0.20		42.6		42.6	.8	41.8
21									
22	KEG RIVER A	504	0.40		202		202	121.5	80.5
23	KEG RIVER B	445	<0.16		67.4		67.4	67.4	
24	KEG RIVER C	636	0.40		254		254	120.2	133.8
25	KEG RIVER D	477	0.40		191		191	132.8	58.2
26	KEG RIVER E	159	<0.07		9.6		9.6	9.6	
27									
28	KEG RIVER F	238	0.30		71.4		71.4	44.3	27.1
29	KEG RIVER G	111	0.35		38.9		38.9	28.4	10.5
30	KEG RIVER H	121	0.35		42.4		42.4	21.3	21.1
31	KEG RIVER I	229	0.25		57.3		57.3	10.5	46.8
32	KEG RIVER J	388	0.35		136		136	50.0	86.0
33									
34	KEG RIVER K	272	0.30		81.6		81.6	18.2	63.4
35	KEG RIVER L	75.0	0.25		18.8		18.8	7.8	11.0
36	KEG RIVER M	700	0.40		280		280	26.8	253.2
37	KEG RIVER N	50.0	0.35		17.5		17.5	7.3	10.2
38	KEG RIVER O	525	0.15		78.8		78.8	10.1	68.7
39									
40	KEG RIVER P	754	0.40		302		302	22.5	279.5
41	KEG RIVER Q	500	0.30		150		150	27.3	122.7
42	KEG RIVER R	350	0.40		140		140	14.4	125.6
43	KEG RIVER S	41.2	0.30		12.4		12.4	7.5	4.9
44	KEG RIVER T	450	0.40		180		180	38.1	141.9
45									
46	KEG RIVER U	250	0.35		88.0		88.0	42.6	45.4
47	KEG RIVER V	113	0.35		39.6		39.6	16.3	23.3
48	KEG RIVER W	661	0.15		99.0		99.0	49.7	49.3
49	KEG RIVER X	94.1	0.30		28.2		28.2	13.4	14.8
50	KEG RIVER Y	650	0.40		260		260	89.1	170.9
51									
52	KEG RIVER Z	79.4	0.30		23.8		23.8	9.4	14.4
53	KEG RIVER AA	282	0.20		56.4		56.4	8.6	47.8
54	KEG RIVER BB	92.5	0.30		27.8		27.8	6.4	21.4
55	KEG RIVER CC	270	0.35		94.5		94.5	26.4	68.1
56	KEG RIVER EE	200	0.35		70.0		70.0	18.3	51.7
57									
58	KEG RIVER FF	2 680	0.25		670		670	1.7	668.3
59	KEG RIVER GG	1 280	0.25		320		320	12.7	307.3
60	KEG RIVER HH	583	0.30		175		175	1.9	173.1
61	KEG RIVER II	820	0.30		246		246		246.0
62	KEG RIVER JJ	357	0.30		107		107		107.0
63									
64	KEG RIVER MM	613	0.40		245		245	16.0	229.0
65	KEG RIVER NN	200	0.40		80.0		80.0	22.3	57.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
562	4.50	0.092	0.30	0.86	42	830	68	18 287	1 809.4	1974	83 12	4
												5
												6
32	3.05	0.200	0.30	0.85	74	844	47	10 340	1 377.1	1960	69 05 - ABAND 69 10	7
128	6.29	0.180	0.37	0.85	66	857	38	9 270	1 366.0	1979	82 12	8
												9
												10
258	15.54	0.065	0.30	0.86	55	829	31	13 410	1 266.2	1969	78 04 - SUSP 82 11	11
												12
												13
64	1.25	0.160	0.30	0.75	128	815	70	14 360	1 473.9	1977	77 12	14
												15
												16
31	5.79	0.089	0.11	0.67	155	811	83	17 730	1 746.8	1971	75 03 - GPP	17
64	7.60	0.084	0.15	0.67	135	811	83	13 593	1 664.7	1981	82 07	18
64	10.50	0.075	0.17	0.67	155	810	83	14 342	1 739.0	1983	83 11 - SUSP 84 07	19
64	7.80	0.070	0.13	0.70	155	810	83	14 342	1 701.4	1983	84 03 - PREV CONF	20
												21
13	67.06	0.094	0.12	0.70	132	839	83	17 800	1 699.3	1970	71 09	22
12	60.62	0.100	0.08	0.68	151	820	81	17 510	1 756.6	1971	82 12 - SUSP 79 02	23
26	40.75	0.100	0.10	0.68	170	839	83	18 310	1 727.6	1971	71 12 - GPP	24
15	94.49	0.065	0.15	0.63	176	820	79	18 600	1 728.2	1971	71 12	25
5	56.08	0.095	0.10	0.63	191	806	79	19 910	1 754.7	1972	74 12 - SUSP 74 11	26
												27
5	113.39	0.073	0.14	0.69	138	825	84	18 580	1 748.0	1972	82 12	28
4	38.16	0.107	0.10	0.68	106	834	83	18 685	1 802.0	1974	75 10	29
9	30.44	0.070	0.10	0.70	132		80	15 300	1 777.0	1979	82 12	30
16	28.40	0.090	0.20	0.70	120	834	83	17 940	1 715.8	1979	82 12 - GPP	31
64	15.00	0.070	0.15	0.68	150	825	74	15 300	1 765.5	1979	80 05 - GPP	32
												33
25	24.40	0.075	0.15	0.70	132	819	83	16 304	1 722.0	1980	82 12 - GPP	34
17	8.60	0.080	0.20	0.80	138	823	86	16 104	1 825.3	1980	82 01	35
11	94.00	0.100	0.15	0.80	132	834	83	16 629	1 789.5	1980	82 01 - GPP	36
12	7.00	0.090	0.15	0.78	142	814	81	14 801	1 747.6	1980	82 01	37
11	90.00	0.080	0.15	0.80	126	825	85	17 367	1 777.0	1980	84 12 - GPP	38
												39
16	99.02	0.080	0.15	0.70	124	825	86	16 003	1 768.8	1980	82 12 - GPP	40
11	64.73	0.120	0.14	0.68	122	835	93	14 879	1 714.0	1981	83 12 - GPP	41
10	77.00	0.080	0.15	0.68	143	820	50	18 292	1 750.5	1981	83 06	42
7	28.00	0.040	0.25	0.70	115	835	87	16 094	1 832.0	1981	83 12 - SUSP 84 08	43
12	68.90	0.080	0.15	0.80	140	826	86	18 615	1 759.3	1980	82 01 - GPP	44
												45
11	39.70	0.100	0.17	0.69	140		86	19 919	1 773.0	1980	82 01	46
12	17.60	0.090	0.15	0.70	150	825	83	17 730	1 685.5	1979	83 12 - GPP	47
64	31.90	0.070	0.32	0.68	176	845	83	20 720	1 746.0	1980	84 12	48
11	28.30	0.060	0.30	0.72	95	845	82	17 548	1 747.4	1981	83 12 - GPP	49
29	85.60	0.050	0.20	0.65	151	810	82	20 400	1 795.7	1980	84 09	50
												51
10	9.80	0.120	0.10	0.75		830	68	18 270	1 816.0	1969	83 12 - SUSP 84 02	52
64	15.00	0.060	0.30	0.70	130	833	69	15 440	1 817.5	1981	83 12 - GPP	53
8	40.70	0.050	0.15	0.71	113	825	82	15 598	1 712.5	1981	83 12 - GPP	54
9	61.50	0.080	0.15	0.70	138	826	80	17 066	1 721.8	1982	84 05	55
11	41.80	0.080	0.20	0.68	130	835	95	16 300	1 827.8	1982	84 06	56
												57
64	55.90	0.120	0.12	0.71	132	834	83	14 976	1 765.6	1983	83 10 - PREV CONF	58
64	38.00	0.090	0.14	0.68	113	834	74	14 500	1 814.0	1983	84 02 - PREV CONF	59
64	15.30	0.100	0.15	0.70	138	826	80	15 582	1 728.4	1983	84 04 - PREV CONF	60
64	31.50	0.070	0.17	0.70	138	826	80	15 582	1 741.3	1983	84 04 - PREV CONF	61
64	1.10	0.090	0.16	0.67	180	831	63	18 500	1 760.9	1983	84 08	62
												63
64	32.20	0.050	0.15	0.70	130	838	49	14 500	1 760.3	1983	83 06	64
12	32.50	0.090	0.10	0.63	111	824	76	13 000	1 763.5	1983	84 11	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
SHEKILIE 118-08W6 (CONTINUED)								
KEG RIVER PP	191	0.30		57.3		57.3	8.7	48.6
KEG RIVER QQ	795	0.40		318		318	219.7	98.3
KEG RIVER RR	3 480	0.35		1 220		1 220	17.6	1 202.4
KEG RIVER TT	2 740	0.40		1 100		1 100	22.3	1 077.7
KEG RIVER UU	1 660	0.30		498		498	17.6	480.4
SHOULDICE 020-23W4								
GLAUCONITIC A	204	0.10		20.4		20.4	6.1	14.3
GLAUCONITIC B	29.7	0.10		3.0		3.0	.2	2.8
ELLERSLIE A	61.2	0.10		6.1		6.1	1.7	4.4
ELLERSLIE B	82.9	0.10		8.3		8.3	.1	8.2
ELLERSLIE C	80.0	0.15		12.0		12.0	5.4	6.6
ELLERSLIE D	294	0.10		29.4		29.4	13.0	16.4
ELLERSLIE E	172	0.10		17.2		17.2	.7	16.5
SIMONETTE 063-26W5								
DUNVEGAN A	1 290	0.10		129		129	41.8	87.2
DUNVEGAN B	109	<0.01		.2		.2	.2	
WABAMUN C	1 530	0.05		76.6		76.6	28.3	48.3
D-3	18 000	0.31		5 580		5 580	5 471.8	108.2
D-3 B	526	0.30		158		158	11.0	147.0
SKARO 057-19W4								
COOKING LAKE	175	0.15		26.3		26.3	23.4	2.9
SLAVE 084-14W5								
SLAVE POINT G	2 160	0.30		648		648	163.3	484.7
SLAVE POINT H	2 960	0.30		888		888	76.1	811.9
SNIPE LAKE 071-18W5								
BEAVERHILL LAKE WATER FLOOD	31 000	0.12	0.28	3 720	8 680	12 400	7 734.0	4 666.0
SOUNDING 030-09W4								
UPPER MANNVILLE D	215	<0.01		1.5		1.5	1.1	.4
SOUSA 113-04W6								
SULPHUR POINT A	319	<0.01		.1		.1	.1	
KEG RIVER A	284	<0.04		11.2		11.2	11.2	
KEG RIVER B	477	<0.01		1.2		1.2	1.2	
KEG RIVER C	308	0.25		77.0		77.0	5.7	71.3
KEG RIVER D	1 390	0.30		418		418	69.6	348.4
KEG RIVER E	1 000	0.30		300		300	3.7	296.3
KEG RIVER F	891	0.10		89.1		89.1	57.7	31.4
KEG RIVER G	926	0.01		9.3		9.3	1.9	7.4
KEG RIVER H	396	0.12		47.5		47.5	36.8	10.7
KEG RIVER I	62.3	<0.04		2.3		2.3	2.3	
KEG RIVER J	256	0.15		38.4		38.4	.3	38.1
SPIRIT RIVER 078-07W6								
GETHING A	69.4	0.10		6.9		6.9	.1	6.8
CHARLIE LAKE D	240	0.10		24.0		24.0	6.1	17.9
CHARLIE LAKE E	398	0.10		39.8		39.8	15.0	24.8
CHARLIE LAKE F	54.8	0.10		5.5		5.5		5.5
CHARLIE LAKE G	75.7	0.10		7.6		7.6		7.6
CHARLIE LAKE H	26.8	0.10		2.7		2.7	.7	2.0
CHARLIE LAKE I	31.2	0.10		3.1		3.1	1.4	1.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
64	4.50	0.100	0.08	0.72	100	848	79	10 275	1 832.3	1983	83 12	3
30	55.50	0.073	0.10	0.72					1 742.0	1971	77 05	4
64	48.00	0.180	0.10	0.70	112	870	82	17 500	1 840.0	1983	84 02	5
64	61.50	0.120	0.17	0.70	130	830	49	14 500	1 783.8	1983	83 06	6
64	53.00	0.090	0.20	0.68	146	827	83	15 955	1 831.5	1983	83 10	8
64	3.60	0.160	0.30	0.79	64	845	37	14 000	1 669.2	1981	82 07	11
64	.60	0.140	0.35	0.85	59	871	42	13 503	1 623.5	1982	83 02 – SUSP 83 02	12
64	1.60	0.120	0.40	0.83	46	838	40	13 291	1 658.0	1981	83 02	13
64	1.50	0.160	0.35	0.83	66	859	44	14 490	1 717.3	1981	82 09 – SUSP 83 01	14
64	2.32	0.130	0.50	0.83	96	854	40	12 935	1 569.2	1981	83 12	16
192	2.37	0.150	0.48	0.83	83	838	45	13 901	1 613.4	1978	83 02	17
64	4.50	0.120	0.40	0.83	66	873	51	10 000	1 679.8	1982	83 09	18
256	7.27	0.130	0.35	0.82	77	822	61	13 337	1 981.1	1980	82 11	21
64	3.30	0.098	0.36	0.82	70	822	61	13 200	1 927.0	1980	83 12 – ABAND 82 11	22
65	44.50	0.100	0.17	0.64	172	825	96	32 890	3 351.0	1964	77 04 – SUSP 83 11	23
3 136	29.00	0.062	0.16	0.38	552	792	105	35 670	3 533.5	1958	82 08	24
64	28.60	0.090	0.16	0.38	552	793	95	32 000	3 547.0	1982	83 04	26
100	5.12	0.050	0.25	0.91	28	860	41	8 480	1 119.2	1952	81 12 – GPP	29
676	6.44	0.080	0.27	0.85	45	830	50	17 253	1 709.9	1981	84 03	32
715	7.27	0.080	0.21	0.88	32	827	50	17 168	1 731.1	1982	84 12	33
7 173	10.49	0.068	0.27	0.83	59	839	88	26 340	2 601.2	1962	77 04	36
64	2.10	0.250	0.29	0.90	39	873	33	6 660	919.8	1971	81 05 – GPP	40
65	17.68	0.046	0.25	0.81	74	876	72	14 070	1 414.6	1969	71 05 – SUSP 69 08	43
22	33.22	0.060	0.20	0.80	80	839	74	15 220	1 540.5	1969	84 12 – ABAND 84 01	44
64	56.69	0.025	0.35	0.80	98	849	81	15 000	1 494.4	1967	70 05 – ABAND 79 01	45
16	84.70	0.037	0.31	0.89	32	834	75	14 940	1 478.0	1968	84 08	46
74	67.00	0.045	0.28	0.87	39	844	80	15 200	1 508.8	1969	77 03 – GPP	48
65	29.26	0.075	0.15	0.83	62	849	71	14 930	1 495.3	1970	71 12	49
47	50.35	0.054	0.19	0.87	39	844	80	15 440	1 522.6	1970	84 12 – GPP	50
42	53.28	0.060	0.20	0.87	39	844	80	15 580	1 543.5	1970	84 12 – GPP	51
25	62.88	0.040	0.29	0.87	39	844	80	15 200	1 527.0	1970	83 12 – GPP	52
11	49.01	0.020	0.37	0.89	32	829	75	14 790	1 488.6	1970	82 12 – ABAND 81 02	54
15	70.01	0.040	0.30	0.87	57	849	80	15 240	1 559.7	1970	81 05 – SUSP 82 09	55
64	1.70	0.150	0.50	0.85	66	809	20	10 904	1 388.7	1981	83 04	58
64	3.00	0.200	0.20	0.78	88	839	69	14 174	1 661.7	1980	80 12 – GPP	59
320	1.82	0.120	0.21	0.72	67	830	62	13 800	1 578.3	1982	84 05	60
64	2.00	0.090	0.42	0.82	60	830	70	7 500	1 627.0	1983	84 08 – PREV CONF	61
128	1.07	0.100	0.66	0.84	67	826	62	12 369	1 586.0	1982	84 10	63
64	.80	0.110	0.42	0.82	67	820	62	12 369	1 599.6	1982	83 02	64
64	1.20	0.090	0.45	0.82	67	832	62	12 369	1 585.6	1982	83 02	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

POOL	1 INITIAL VOLUME IN-PLACE	2 POOL RECOVERY PRIMARY	3 POOL RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISED RESERVES
	$10^3 m^3$	fraction				$10^3 m^3$		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
SPIRIT RIVER 078-07W6 (CONTINUED)								
HALFWAY D	720	0.15		108		108	6.5	101.5
DOIG A	7 240	0.15		1 090		1 090	93.9	996.1
SPRING COULEE 003-23W4								
RUNDLE	413	0.04		16.5		16.5	13.0	3.5
ST. ALBERT-BIG LAKE 053-26W4								
BIG LAKE D-1 A	254	<0.17		41.3		41.3	41.3	
D-1 D	2 880	0.10		288		288	96.0	192.0
BIG LAKE D-2 A	500	0.65		325		325	278.2	46.8
BIG LAKE D-3 A	3 700	0.65		2 400		2 400	2 101.6	298.4
ST. ALBERT D-3 B	1 750	0.60		1 050		1 050	850.9	199.1
STANMORE 029-11W4								
UPPER MANNVILLE B	283	0.10		28.3		28.3	15.1	13.2
UPPER MANNVILLE G	356	0.03		10.7		10.7	5.7	5.0
UPPER MANNVILLE P	970	0.10		97.0		97.0	15.6	81.4
UPPER MANNVILLE R	726	0.10		72.6		72.6	6.0	66.6
UPPER MANNVILLE W	36.5	0.10		3.7		3.7		3.7
UPPER MANNVILLE A&C	59.6	<0.01		.4		.4	.4	
LOWER MANNVILLE F	98.0	0.10		9.9		9.9	6.3	3.6
LOWER MANNVILLE H	114	0.10		11.4		11.4	1.5	9.9
LOWER MANNVILLE L	148	<0.01		.4		.4	.4	
LOWER MANNVILLE Q	351	0.10		35.1		35.1	7.3	27.8
LOWER MANNVILLE T	171	<0.01		.1		.1	.1	
LOWER MANNVILLE A&B	193	0.06		11.6		11.6	8.4	3.2
STETTLER 038-20W4								
LOWER MANNVILLE A	1 110	0.05		55.5		55.5	.5	55.0
D-2 A TOTAL	9 370			2 820	1 380	4 200	3 874.5	325.5
PRIMARY AREA	152	0.30		45.6		45.6		
WATER FLOOD AREA	9 220	0.30	0.15	2 770	1 380	4 150		
D-2 B	95.0	0.15		14.3		14.3	3.3	11.0
D-2 C	310	<0.01		.1		.1	.1	
D-3 A	6 150	0.60		3 690		3 690	3 023.6	666.4
D-3 B	400	0.65		260		260	192.9	67.1
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618	0.08		49.4		49.4	34.4	15.0
STETTLER SOUTH 037-20W4								
D-2	1 600	0.18		288	ERSO	288	264.0	24.0
D-3	407	0.65		265		265	220.8	44.2
STRATHMORE 023-25W4								
UPPER MANNVILLE A	227	0.05		11.4		11.4	9.7	1.7
LOWER MANNVILLE A	161	0.10		16.1		16.1	4.2	11.9
STURGEON LAKE 071-23W5								
D-3	7 060	0.50		3 530		3 530	3 159.2	370.8
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770	0.11		524		524	378.7	145.3
TRIASSIC B	1 200	0.20		240		240	189.7	50.3
D-2 A	884	0.20		177		177	120.8	56.2
D-3	45 300	0.55		24 900		24 900	18 424.5	6 475.5
D-3 B	1 210	0.10		121		121	108.7	12.3
D-3 C	818	0.55		450		450	69.9	380.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
320	2.96	0.130	0.27	0.80	100	837	59	12 976	1 429.3	1983	84 10	3
1 280	5.32	0.160	0.17	0.80	91	825	58	12 976	1 431.0	1983	84 11	4
												5
												6
331	2.83	0.070	0.25	0.84	46	855	56	10 070	1 835.5	1950	78 10 - GPP	7
												8
												9
110	5.85	0.058	0.20	0.85	70	849	53	9 310	1 225.9	1958	83 12 - SUSP 83 12	10
240	29.46	0.080	0.40	0.85	70	851	54	9 332	1 222.7	1953	83 10	11
130	16.50	0.034	0.22	0.88	71	844	55	10 620	1 336.5	1956	82 12	12
101	43.24	0.110	0.06	0.82	62	849	58	11 240	1 463.6	1956	82 12 - GPP	13
												14
110	22.00	0.098	0.09	0.81	73	855	58	11 030	1 424.9	1953	83 12	15
												16
												17
65	3.66	0.195	0.32	0.90	42	876	38	8 880	1 043.6	1970	71 11 - SUSP 83 12	18
64	4.60	0.206	0.35	0.90	43	876	32	9 280	1 062.2	1976	79 12	19
256	3.78	0.200	0.43	0.88	56	865	37	9 408	1 045.2	1979	82 09 - GPP	20
192	4.04	0.200	0.48	0.90	62	855	39	9 065	1 050.9	1982	83 10	21
												22
32	2.00	0.120	0.50	0.95	20	910	30	3 900	1 047.2	1978	84 11	23
64	1.23	0.140	0.40	0.90	47	876	27	8 620	1 046.1	1972	78 02 - SUSP 79 02	24
65	1.83	0.120	0.25	0.92	34	892	38	9 300	1 038.8	1977	77 07 - GPP	25
64	1.23	0.240	0.30	0.86	51	887	37	9 240	1 045.0	1977	79 05	26
64	2.00	0.180	0.30	0.92	36	876	39	6 270	1 066.1	1978	82 12 - ABAND 81 07	27
												28
128	2.19	0.220	0.36	0.89	45	863	38	9 461	1 079.4	1980	83 05	29
64	2.30	0.210	0.40	0.92	126	858	50	9 631	1 087.7	1979	83 12 - SUSP 79 10	30
64	2.70	0.200	0.35	0.86	37	870	49	9 480	1 076.2	1975	84 12 - GPP	31
												32
												33
64	17.37	0.160	0.30	0.88	46	870	47	8 140	1 319.8	1963	83 11	34
2 207					63	876	62	12 000	1 585.9	1949	82 12	35
80	6.00	0.050	0.22	0.81								36
2 127	13.72	0.050	0.22	0.81							- GPP	37
												38
64	2.60	0.080	0.12	0.81	62	887	38	11 800	1 583.1	1978	79 02 - SUSP 84 05	39
64	12.00	0.060	0.20	0.84	62	887	55	11 767	1 592.0	1979	82 12 - SUSP 81 08	40
1 861	7.96	0.061	0.17	0.82	67	887	63	12 820	1 626.7	1949	75 08 - GPP	41
133	5.68	0.075	0.15	0.83	62	876	65	12 690	1 648.1	1952	84 12	42
												43
												44
285	1.85	0.200	0.31	0.85	44	887	33	9 290	1 293.0	1976	82 10 - GPP	45
												46
												47
280	7.64	0.110	0.15	0.80	63	876	62	11 960	1 605.4	1951	80 06 - GPP	48
175	3.93	0.084	0.12	0.80	75	904	60	12 760	1 653.8	1952	84 12 - GPP	49
												50
												51
64	3.70	0.150	0.20	0.80		800	52	13 680	1 703.2	1963	73 11 - GPP	52
64	3.40	0.120	0.25	0.82	76	865	49	11 640	1 782.6	1976	79 09 - GPP	53
												54
												55
1 322	18.59	0.052	0.15	0.65	188	839	88	27 240	2 698.4	1952	73 12	56
												57
												58
1 578	4.08	0.150	0.35	0.76	102	844	52	13 890	1 499.6	1955	70 02 - GPP	59
565	2.83	0.139	0.29	0.76	101	839	54	14 860	1 554.5	1957	83 12 - GPP	60
364	6.43	0.073	0.24	0.68	145	834	82	24 340	2 337.8	1957	84 12 - GPP	61
6 950	24.81	0.047	0.14	0.65	183	834	88	27 340	2 590.8	1953	72 02	62
												63
446	8.87	0.050	0.15	0.72	133	839	91	25 990	2 660.0	1964	73 12 - GPP	64
98	13.22	0.102	0.09	0.68	160	841	88	22 360	2 670.0	1983	84 11 - PREV CONF	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156	<0.01		.4		.4	.4	
BANFF A	195	0.10		19.5		19.5	.5	19.0
SUNDRE 034-05W5								
VIKING A	382	0.10		38.2		38.2	9.9	28.3
VIKING B	214	0.10		21.4		21.4	1.8	19.6
RUNDLE A TOTAL	13 200			3 250	1 910	5 160	4 606.5	553.5
PRIMARY AREA	488	0.15		73.2		73.2		
WATER FLOOD AREA	12 700	0.25	0.15	3 180	1 910	5 090		
RUNDLE B TOTAL	2 700			392	262	654	547.5	106.5
PRIMARY AREA	318	<0.04		11.0		11.0		
WATER FLOOD AREA	2 380	0.16	0.11	381	262	643		
SUNSET 069-20W5								
TRIASSIC A WATER FLOOD	4 130	0.25	0.02	1 030	83.0	1 120	441.7	678.3
TRIASSIC B	161	0.15		24.2		24.2	11.6	12.6
BEAVERHILL LAKE A	245	0.10		24.5		24.5	1.1	23.4
SWALWELL 029-24W4								
PEKISKO A	1 620	0.05		81.0		81.0	52.9	28.1
PEKISKO B	167	<0.01		.7		.7	.7	
PEKISKO C	249	<0.01		.5		.5	.5	
PEKISKO D	408	0.10		40.8		40.8	22.6	18.2
PEKISKO E	37.8	<0.01		.1		.1	.1	
PEKISKO F	2 420	0.10		242		242	42.7	199.3
PEKISKO H	603	0.02		12.1		12.1	6.2	5.9
PEKISKO I	373	<0.01		.2		.2	.2	
PEKISKO L	98.0	0.10		9.8		9.8	7.6	2.2
D-2 A	1 730	0.11		190		190	156.7	33.3
D-2 B	115	<0.01		.3		.3	.3	
SWAN HILLS 068-10W5								
BEAVERHILL LAKE C TOTAL	98 700			12 400	20 100	32 500	17 344.8	15 155.2
PRIMARY AREA	4 320	0.08		346		346		
WATER FLOOD AREA	94 400	0.13	0.22	12 100	20 100	32 200		
BEAVERHILL LAKE D	216	<0.01		.2		.2	.2	
BEAVERHILL LAKE A&B TOTAL	290 000			45 200	57 200	103 000	81 137.1	21 862.9
PRIMARY AREA	4 880	0.12		586		586		
WATER FLOOD AREA	285 000	<0.16	0.20	44 600	57 200	102 000		
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE A&B TOTAL	144 000			25 400	56 200	81 600	50 273.3	31 326.7
PRIMARY AREA	2 310	0.14		324		324		
SOLVENT FLOOD AREA	133 000	0.18	0.41	23 900	54 300	78 200		
WATER FLOOD AREA	8 750	0.14	0.22	1 220	1 850	3 070		
SYLVAN LAKE 037-03W5								
CARDIUM A	550	0.12		66.0		66.0	54.6	11.4
CARDIUM B	110	0.10		11.0		11.0	5.7	5.3
CARDIUM C	159	0.10		15.9		15.9	.9	15.0
CARDIUM D	26.6	0.10		2.7		2.7	.2	2.5

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	1.80	0.220	0.30	0.88	51	877	30	8 477	1 095.3	1980	80 10 - SUSP 81 11	4
64	3.20	0.130	0.16	0.87	51	878	43	9 632	1 173.4	1982	83 09	5
256	4.36	0.070	0.27	0.67	181	816	87	18 264	2 481.4	1980	84 01	8
64	5.80	0.100	0.20	0.72	128	849	59	17 500	2 422.4	1981	82 03	9
2 492					130	865	91	25 370	2 759.0	1955	83 12	10
192	8.75	0.051	0.22	0.73								11
2 297	8.29	0.105	0.13	0.73								13
824					127	865	90	25 060	2 696.9	1960	82 12	14
154	3.69	0.090	0.15	0.73								15
670	6.36	0.090	0.15	0.73								16
1 391	5.46	0.130	0.49	0.82	97	865	60	12 860	1 439.3	1960	80 02 - GPP	19
64	4.92	0.130	0.52	0.82	76	865	43	14 420	1 390.8	1975	84 12	21
128	6.70	0.060	0.35	0.78	70	877	86	24 600	2 693.6	1982	83 02 - PREV CONF	22
576	10.40	0.044	0.25	0.82	74	849	53	11 720	1 626.1	1965	81 12 - GPP	25
65	14.02	0.050	0.55	0.82	74	839	54	12 100	1 700.5	1976	81 12 - SUSP 77 11	26
65	16.46	0.050	0.43	0.82	74	839	49	10 480	1 705.4	1976	82 12 - SUSP 76 12	27
128	10.80	0.060	0.40	0.82	71	839	64	10 958	1 665.0	1976	83 08	28
65	1.83	0.060	0.35	0.82	78	855	43	11 210	1 652.6	1977	79 03 - SUSP 78 05	30
745	8.21	0.070	0.31	0.82	64	871	52	11 010	1 656.8	1979	84 05	31
128	18.84	0.050	0.39	0.82	67	869	51	10 991	1 626.5	1979	83 12 - GPP	32
64	8.80	0.133	0.40	0.83	85	874	61	11 167	1 621.1	1980	83 12 - SUSP 81 03	33
64	4.94	0.060	0.37	0.82	71	849	60	11 169	1 710.0	1976	78 12 - GPP	34
928	4.24	0.068	0.16	0.77	96	839	69	16 580	1 947.4	1969	80 12 - GPP	36
65	3.96	0.070	0.17	0.77	122	839	68	16 410	1 973.3	1973	75 12 - SUSP 75 01	37
25 749					77	815	91	21 950	2 281.4	1959	79 12	40
2 382	4.17	0.062	0.10	0.78								42
23 367	9.28	0.062	0.10	0.78								43
128	9.00	0.030	0.20	0.78	86	818	53	9 300	2 487.8	1982	84 12 - SUSP 84 01	45
39 773					100	820	104	22 680	2 527.4	1957	84 12	46
2 273	5.70	0.067	0.23	0.73								48
37 500	16.25	0.079	0.19	0.73								49
14 892					113	820	107	23 510	2 543.6	1959	84 04	52
713	9.16	0.063	0.22	0.72								54
11 279	25.63	0.080	0.19	0.71								55
2 900	6.40	0.081	0.18	0.71								57
411	1.54	0.138	0.25	0.84	71	860	54	27 130	1 763.9	1964	79 12 - GPP	60
100	1.34	0.140	0.30	0.84	71	844	54	27 230	1 794.2	1976	82 12 - GPP	61
64	6.80	0.058	0.25	0.84	68	845	54	10 050	1 686.3	1982	82 07	62
64	1.16	0.061	0.30	0.84	64	807	54	9 954	1 675.6	1982	84 06	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
SYLVAN LAKE 037-03W5 (CONTINUED)								
SECOND WHITE SPECKS A	484	0.02		9.7		9.7	2.2	7.5
VIKING A	2 500	0.12		300		300	153.6	146.4
VIKING E	464	0.15		69.6		69.6	22.1	47.5
VIKING F	291	0.15		43.7		43.7	33.6	10.1
VIKING G	64.5	0.15		9.7		9.7	4.4	5.3
VIKING H	73.9	0.10		7.4		7.4	2.7	4.7
VIKING J	77.8	0.15		11.7		11.7	.9	10.8
VIKING K	120	0.15		18.0		18.0	10.8	7.2
VIKING L	64.8	0.15		9.7		9.7	1.0	8.7
VIKING M	238	0.10		23.8		23.8	1.9	21.9
VIKING N	13.8	0.10		1.4		1.4		1.4
VIKING O	19.9	0.10		2.0		2.0		2.0
VIKING P	72.1	0.15		10.8		10.8		10.8
VIKING Q	25.1	0.20		5.0		5.0	2.9	2.1
GLAUCONITIC C	337	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172	<0.01		.4		.4	.4	
GLAUCONITIC F	333	0.10		33.3		33.3	.7	32.6
GLAUCONITIC G	341	0.10		34.1		34.1		34.1
LOWER MANNVILLE J	211	<0.01		.4		.4	.4	
LOWER MANNVILLE N	84.3	0.10		8.4		8.4	.4	8.0
LOWER MANNVILLE R	529	<0.01		.2		.2	.2	
LOWER MANNVILLE S	44.0	0.10		4.4		4.4	1.1	3.3
OSTRACOD A	254	<0.01		1.5		1.5	1.5	
OSTRACOD F	144	<0.01		.6		.6	.6	
BASAL QUARTZ A & OSTRACOD B	435	0.03		13.1		13.1	9.7	3.4
DETRITAL B	973	<0.01		1.4		1.4	1.4	
DETRITAL D	359	<0.01		.8		.8		.8
JURASSIC A	4 180	0.10		418		418	310.1	107.9
JURASSIC B	222	<0.01		.8		.8	.8	
JURASSIC C	1 590	0.05		79.5		79.5	36.1	43.4
JURASSIC D	429	0.10		42.9		42.9	15.8	27.1
JURASSIC E	726	0.03		21.8		21.8	14.4	7.4
JURASSIC I	373	<0.01		.5		.5	.5	
JURASSIC J	420	<0.02		6.0		6.0	6.0	
JURASSIC M	184	0.10		18.4		18.4	16.5	1.9
JURASSIC N	909	0.10		90.9		90.9	1.3	89.6
JURASSIC P	261	0.05		13.1		13.1	.1	13.0
JURASSIC R	157	0.10		15.7		15.7		15.7
ELKTON B	869	0.15		130		130	87.1	42.9
ELKTON C	4 770	0.15		715		715	437.1	277.9
ELKTON E	443	0.07		31.0		31.0	21.5	9.5
ELKTON F	454	0.08		36.3		36.3	29.5	6.8
ELKTON I	263	<0.01		1.4		1.4	1.4	
SHUNDA C	126	0.02		2.5		2.5	1.4	1.1
PEKISKO B	7 950	0.29		2 300		2 300	1 416.4	883.6
PEKISKO C	2 620	0.30		787		787	445.9	341.1
PEKISKO D	1 910	0.20		381		381	244.9	136.1
PEKISKO E	159	<0.02		2.5		2.5	2.5	
PEKISKO G	830	<0.01		.1		.1	.1	
PEKISKO M	426	<0.01		.1		.1	.1	
D-3 A	1 620	0.01		16.2		16.2	9.3	6.9

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	12.00	0.180	0.50	0.70	145	816	64	18 657	2 086.0	1981	83 12 - GPP	3
												4
4 254	1.08	0.110	0.35	0.76	110	815	51	15 650	1 903.5	1965	83 12 - GPP	5
323	2.59	0.120	0.40	0.77	102	839	66	15 130	1 999.5	1972	84 12	6
												7
576	1.12	0.090	0.35	0.77	101	815	66	13 763	1 906.3	1977	83 12	8
64	2.80	0.080	0.40	0.75	123	820	36	18 036	1 996.9	1964	81 07 - GPP	9
64	2.20	0.100	0.30	0.75	105	815	58	11 150	1 981.4	1981	82 05	10
64	2.70	0.100	0.40	0.75	125	825	60	14 500	1 970.2	1981	83 01 - GPP	11
124	2.15	0.090	0.35	0.77	99	839	66	13 925	2 183.5	1977	83 12	12
												13
64	1.84	0.110	0.35	0.77	101	839	66	14 826	2 099.8	1983	83 11 - SUSP 83 09	14
64	4.50	0.200	0.45	0.75	105	800	63	14 105	1 827.2	1982	82 10	15
64	.70	0.080	0.50	0.77	101	839	66	14 826	1 881.7	1982	83 10 - PREV CONF	16
64	.90	0.069	0.35	0.77	101	839	66	14 826	1 888.0	1983	83 12 - PREV CONF	17
64	1.50	0.150	0.35	0.77	101	839	66	14 826	2 019.2	1983	84 09 - PREV CONF	18
												19
64	1.74	0.045	0.35	0.77	72	845	66	11 329	2 171.0	1978	82 07	20
64	8.62	0.130	0.39	0.77	89	887	64	16 790	2 199.1	1964	73 12 - SUSP 80 04	21
65	4.57	0.100	0.25	0.77	98	910	62	16 420	2 201.0	1975	76 07 - SUSP 78 07	22
64	9.40	0.120	0.35	0.71	126	807	79	16 299	2 158.9	1983	84 02 - PREV CONF	23
64	6.70	0.140	0.20	0.71	90	808	70	16 000	2 162.6	1974	84 10	24
												25
65	2.74	0.200	0.30	0.85	64	915	61	14 090	2 158.0	1976	83 12 - ABAND 80 11	26
64	2.50	0.100	0.15	0.62	195	795	64	18 020	2 353.3	1978	79 03	27
64	12.30	0.120	0.30	0.80	80	845	66	10 200	2 140.4	1981	82 03 - ABAND 82 01	28
64	1.20	0.090	0.25	0.85	54	888	71	17 609	2 336.1	1978	82 05 - SUSP 84 04	29
64	5.18	0.130	0.24	0.77	80	892	71	17 510	2 284.8	1963	64 04 - SUSP 69 07	30
												31
64	4.00	0.100	0.25	0.75	105	879	74	17 100	2 316.8	1979	82 12 - SUSP 80 09	32
64	7.08	0.150	0.20	0.80	108	892	73	20 620	2 387.0	1964	79 02 - GPP	33
												34
65	19.81	0.128	0.25	0.79	80	887	73	16 510	2 197.6	1963	73 02 - SUSP 71 09	35
65	3.66	0.240	0.20	0.79	80	844	73	16 650	2 176.3	1971	76 10	36
												37
1 187	4.30	0.140	0.25	0.78	96	887	68	17 310	2 264.1	1962	63 04	38
66	5.79	0.100	0.25	0.78	93	887	71	16 890	2 236.9	1962	64 04 - ABAND 66 10	39
192	10.50	0.130	0.22	0.78	96	887	71	17 340	2 242.5	1960	83 05 - GPP	40
138	5.12	0.104	0.25	0.78	94	887	71	16 000	2 225.3	1963	74 12 - GPP	41
65	12.80	0.150	0.25	0.78	95	898	67	17 070	2 211.9	1964	84 12 - GPP	42
												43
65	10.97	0.090	0.25	0.78	95	887	71	17 070	2 222.6	1964	71 05 - SUSP 70 11	44
65	8.53	0.130	0.25	0.78	96	887	71	17 270	2 250.6	1965	82 12 - ABAND 79 05	45
64	5.53	0.090	0.25	0.77	103	887	71	16 800	2 202.8	1970	75 03 - GPP	46
192	7.33	0.120	0.31	0.78	83	890	68	17 921	2 269.1	1982	84 02	47
64	6.80	0.110	0.30	0.78	88	933	60	16 500	2 311.9	1983	84 03 - PREV CONF	48
												49
64	5.10	0.103	0.40	0.78	95	919	65	17 500	2 263.5	1983	84 06 - PREV CONF	50
217	4.69	0.132	0.17	0.78	92	881	71	17 270	2 255.8	1963	63 10	51
626	10.67	0.109	0.16	0.78	93	887	68	17 310	2 265.9	1963	63 10 - GPP	52
64	10.40	0.104	0.18	0.78	102	887	76	19 200	2 431.7	1963	81 12 - GPP	53
64	11.00	0.100	0.18	0.78	89	887	76	18 890	2 433.8	1963	79 12 - GPP	54
												55
64	7.30	0.110	0.39	0.84	74	913	71	17 364	2 307.3	1982	83 04 - ABAND 83 11	56
65	1.83	0.170	0.20	0.78	96	892	72	16 800	2 192.7	1972	82 12 - GPP	57
1 232	9.24	0.108	0.16	0.77	92	887	69	17 100	2 229.6	1962	70 02	58
485	8.90	0.096	0.19	0.78	93	887	72	17 440	2 236.3	1963	63 10 - GPP	59
487	6.58	0.102	0.20	0.73	121	849	76	17 510	2 257.7	1960	63 04 - GPP	60
												61
27	8.23	0.105	0.20	0.86	85	921	73	15 860	2 154.3	1963	73 02 - SUSP 72 11	62
74	28.04	0.069	0.25	0.77	62	992	89	17 510	2 153.1	1963	64 12 - SUSP 64 05	63
65	7.01	0.140	0.13	0.77	94	887	67	17 480	2 292.7	1964	65 12 - ABAND 68 03	64
987	6.16	0.056	0.15	0.56	262	792	79	24 340	2 881.9	1962	83 12 - SUSP 84 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	$10^3 m^3$	fraction				$10^3 m^3$		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
TANGENT 080-24W5								
D-1 A	970	0.20		194		194	47.0	147.0
D-1 B	84.9	0.20		17.0		17.0	5.9	11.1
D-1 C	246	0.20		49.2		49.2	7.1	42.1
D-1 D	85.0	0.20		17.0		17.0	4.4	12.6
D-1 E	1 350	0.20		270		270	41.4	228.6
D-1 F	590	0.20		118		118	16.7	101.3
D-1 G	376	0.20		75.2		75.2	2.2	73.0
D-1 H	635	0.20		127		127	10.8	116.2
D-1 I	430	0.20		86.0		86.0	10.0	76.0
D-1 J	268	0.20		53.6		53.6	4.3	49.3
TEHZE 108-09W6								
SULPHUR POINT A	604	0.20		121		121	56.7	64.3
MUSKEG A	715	0.20		143		143	92.8	50.2
MUSKEG B	1 790	0.06		107		107	20.6	86.4
MUSKEG C	82.3	0.20		16.5		16.5	11.0	5.5
MUSKEG D	800	0.15		120		120		120.0
KEG RIVER A WATER FLOOD	2 540	0.40	0.13	1 020	331	1 350	546.2	803.8
THOMPSON LAKE 041-11W4								
BLAIRMORE	3 970	0.20		794		794	624.8	169.2
GLAUCONITIC A	333	0.05		16.7		16.7	.2	16.5
OSTRACOD A	154	0.05		7.7		7.7	1.9	5.8
ELLERSLIE A	1 050	0.10		105		105	28.3	76.7
THORSBY 049-01W5								
GLAUCONITIC A	3 520	0.15		528		528	69.8	458.2
GLAUCONITIC B	701	0.10		70.1		70.1	25.5	44.6
LOWER MANNVILLE A	303	<0.01		.6		.6	.6	
OSTRACOD A	78.7	0.10		7.9		7.9	.2	7.7
THREE HILLS CREEK 035-25W4								
PEKISKO	65.8	<0.03		1.6		1.6	1.6	
TINDASTOLL 036-01W5								
BELLY RIVER A	2 800	0.10		280		280	51.7	228.3
BELLY RIVER B	480	0.10		48.0		48.0	1.2	46.8
BELLY RIVER C	248	<0.01		.1		.1		.1
BELLY RIVER D	240	0.10		24.0		24.0	2.0	22.0
BELLY RIVER E	275	<0.01		.1		.1		.1
BELLY RIVER F	442	0.10		44.2		44.2		44.2
LOWER MANNVILLE A	489	<0.01		.4		.4	.4	
PEKISKO A	228	0.04		9.1		9.1	1.1	8.0
TOMAHAWK 052-05W5								
NORDEGG A	1 420	0.10		142		142	9.6	132.4
TONY CREEK NORTH 064-21W5								
CADOMIN A	265	0.10		26.5		26.5	3.3	23.2
TROCHU 033-22W4								
BASAL QUARTZ A	922	0.05		46.1		46.1	21.8	24.3
BASAL QUARTZ B	762	0.10		76.2		76.2	1.8	74.4
TURIN 010-18W4								
UPPER MANNVILLE B	235	0.05		11.8		11.8	10.4	1.4
UPPER MANNVILLE H	1 800	0.10		180		180	56.6	123.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	50.50	0.050	0.24	0.79	78	839	62	18 804	1 783.5	1981	83 04	4
64	6.00	0.040	0.30	0.79	80	839	55	9 500	1 763.5	1982	82 10	5
64	21.30	0.030	0.24	0.79	75	839	68	16 360	1 783.5	1982	83 04 - PREV CONF	6
64	22.10	0.010	0.24	0.79	78	843	62	10 329	1 777.0	1983	83 08 - PREV CONF	7
64	67.80	0.050	0.21	0.79	82	839	56	9 500	1 781.9	1983	83 11 - PREV CONF	9
64	31.80	0.054	0.32	0.79	80	855	58	10 025	1 830.9	1983	83 11 - PREV CONF	10
64	42.50	0.025	0.30	0.79	84	843	58	10 500	1 773.0	1983	84 01 - PREV CONF	11
64	39.30	0.045	0.29	0.79	84	843	59	10 500	1 799.8	1983	84 01 - PREV CONF	12
64	45.00	0.030	0.40	0.83	67	823	62	10 329	1 774.0	1983	84 11 - PREV CONF	13
64	24.50	0.030	0.28	0.79	62	823	58	7 100	1 769.5	1983	84 11 - PREV CONF	15
41	17.37	0.112	0.09	0.83	60	839	84	16 980	1 739.3	1967	68 07	18
49	20.42	0.097	0.12	0.84	50	829	82	17 310	1 777.9	1967	68 07 - GPP	19
192	21.08	0.070	0.19	0.78	81	828	77	19 100	1 848.0	1968	84 02	20
65	3.39	0.060	0.20	0.79	85	839	84	20 690	1 887.9	1968	81 12 - GPP	21
64	23.00	0.080	0.14	0.79	67	828	86	8 660	1 847.3	1983	84 08 - PREV CONF	23
71	74.55	0.080	0.10	0.67	140	815	84	20 460	1 906.2	1966	76 06	24
549	3.54	0.290	0.25	0.94	27	892	33	6 340	944.0	1958	83 12 - GPP	28
32	7.80	0.230	0.37	0.92	32	916	32	6 100	964.4	1982	83 02	29
16	7.10	0.220	0.25	0.82	28	949	37	6 350	965.8	1983	83 11	30
112	5.24	0.270	0.28	0.92	32	912	34	6 490	980.1	1982	83 08	31
256	21.90	0.120	0.32	0.77	86	849	54	12 220	1 489.9	1979	83 02	34
64	8.63	0.180	0.17	0.85				12 222	1 450.3	1973	75 12 - GPP	35
64	9.00	0.090	0.22	0.75	89	866	55	12 243	1 522.5	1979	83 12 - SUSP 83 12	36
64	1.54	0.152	0.30	0.75	110	866	53	19 500	1 511.0	1981	82 06 - SUSP 84 01	37
65	5.58	0.037	0.40	0.82	71	860	66	11 720	1 794.1	1968	73 02 - SUSP 72 01	40
640	4.95	0.150	0.33	0.88	50	827	40	5 951	1 175.8	1980	84 01	43
64	9.80	0.150	0.42	0.88	52	865	35	5 951	1 184.3	1981	82 11	44
64	3.70	0.170	0.30	0.88	36	876	43	5 240	1 197.0	1983	83 07 - ABAND 83 05	45
64	4.10	0.160	0.35	0.88	36	815	43	5 240	1 177.1	1983	83 07 - PREV CONF	46
64	4.10	0.170	0.30	0.88	36	815	43	5 081	1 160.0	1983	83 07 - ABAND 83 09	48
64	10.20	0.140	0.45	0.88	36	815	43	5 240	1 188.7	1983	84 05 - PREV CONF	49
64	13.00	0.120	0.30	0.70	155	897	70	27 500	1 997.8	1981	82 02 - ABAND 82 09	50
64	5.20	0.110	0.20	0.78	85	890	70	18 000	2 055.5	1982	84 12	51
320	4.85	0.180	0.34	0.77	115	887	53	15 112	1 651.8	1981	83 05	54
64	6.16	0.120	0.30	0.80	74	887	82	14 780	1 880.3	1977	79 10 - GPP	57
64	15.41	0.200	0.45	0.85				8 833	1 479.4	1970	78 12 - GPP	60
128	6.83	0.180	0.43	0.85	52	873	49	8 786	1 520.0	1982	84 04	61
65	3.66	0.180	0.35	0.85	63	904	31	11 360	1 082.3	1973	78 03	64
320	6.30	0.160	0.35	0.86	68	869	31	11 221	1 013.0	1980	83 11	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
TURIN 010-18W4 (CONTINUED)								
UPPER MANNVILLE I	56.2	0.10		5.6		5.6	.2	5.4
UPPER MANNVILLE K	1 000	0.10		100		100	30.2	69.8
LOWER MANNVILLE B	780	0.01		7.8		7.8	2.9	4.9
LOWER MANNVILLE G	73.1	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	232	<0.01		.7		.7	.7	
LOWER MANNVILLE I	95.2	<0.03		2.6		2.6	2.6	
LOWER MANNVILLE O	92.6	<0.01		.6		.6	.6	
LOWER MANNVILLE V	483	0.10		48.3		48.3	19.0	29.3
LOWER MANNVILLE W	246	0.10		24.6		24.6	5.4	19.2
LOWER MANNVILLE CC	700	0.10		70.0		70.0	17.0	53.0
LOWER MANNVILLE DD	133	0.10		13.3		13.3	7.0	6.3
LOWER MANNVILLE EE	61.9	0.10		6.2		6.2	4.8	1.4
LOWER MANNVILLE FF	302	0.10		30.2		30.2	5.6	24.6
LOWER MANNVILLE GG	167	0.15		25.0		25.0	8.4	16.6
LOWER MANNVILLE HH	89.0	0.10		8.9		8.9	.9	8.0
LOWER MANNVILLE II	946	0.25		237		237	26.4	210.6
LOWER MANNVILLE JJ	58.3	0.10		5.8		5.8	2.4	3.4
LOWER MANNVILLE KK	70.2	0.10		7.0		7.0	.2	6.8
LOWER MANNVILLE LL	348	0.10		34.8		34.8		34.8
TURNER VALLEY 020-03W5								
BLAIRMORE C	90.3	0.03		2.7		2.7	1.8	.9
BLAIRMORE A&B	815	0.01		8.2		8.2	5.3	2.9
RUNDLE WATER FLOOD	159 000	0.12	0.02	19 100	3 180	22 300	21 523.4	776.6
RUNDLE B	355	0.12		42.6		42.6	1.4	41.2
SHALLOW	715	0.12		85.8		85.8	64.4	21.4
TWINING 031-24W4								
UPPER MANNVILLE B	143	<0.01		1.0		1.0	1.0	
GLAUCONITIC A	101	<0.01		.9		.9	.9	
GLAUCONITIC B	75.4	<0.01		.1		.1	.1	
LOWER MANNVILLE B TOTAL	1 890			93.8	272	366	195.0	171.0
PRIMARY AREA	76.5	0.05		3.8		3.8		
WATER FLOOD AREA	1 810	0.05	0.15	90.0	272	362		
LOWER MANNVILLE C	249	0.10		24.9		24.9	3.4	21.5
LOWER MANNVILLE F	100	0.11		11.0		11.0	7.1	3.9
LOWER MANNVILLE G	236	0.10		23.6		23.6	9.0	14.6
LOWER MANNVILLE H	194	<0.01		.1		.1	.1	
LOWER MANNVILLE J	295	0.05		14.8		14.8	11.2	3.6
RUNDLE A & LOWER MANNVILLE A	89 000	0.08		7 120		7 120	2 592.2	4 527.8
PEKISKO A	77.4	0.10		7.7		7.7		7.7
TWINING NORTH 033-24W4								
BASAL QUARTZ A	331	0.10		33.1		33.1	.6	32.5
BASAL QUARTZ B	215	0.10		21.5		21.5	.2	21.3
BASAL QUARTZ C	411	0.10		41.1		41.1	5.7	35.4
RUNDLE	37 600	0.04		1 500		1 500	999.8	500.2
UTIKUMA LAKE 081-09W5								
SLAVE POINT A	197	0.25		49.3		49.3	3.1	46.2
SLAVE POINT B	67.1	0.25		16.8		16.8	.8	16.0
SLAVE POINT C	128	0.25		32.0		32.0	1.1	30.9
SLAVE POINT D	184	0.25		46.0		46.0	1.1	44.9
GILWOOD D	600	0.23		136	ERSO	136	58.8	77.2

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
32	1.80	0.180	0.37	0.86	70	869	31	10 467	999.1	1981	82 12 - GPP	3
128	4.50	0.240	0.15	0.86	68	869	31	10 790	1 008.7	1981	83 11	4
387	1.80	0.190	0.32	0.85	62	881	36	11 480	1 062.2	1974	83 12	5
64	1.52	0.160	0.45	0.85	33	876	66	11 620	1 068.9	1974	82 12 - SUSP 76 09	6
												7
64	3.66	0.190	0.40	0.86	85	881	38	11 270	1 058.9	1974	79 03 - ABAND 82 05	8
65	1.83	0.170	0.45	0.86	66	881	31	11 330	1 076.2	1974	83 01 - ABAND 82 08	9
64	2.16	0.120	0.35	0.86	59	898	34	11 300	1 047.0	1976	79 02 - SUSP 78 10	10
256	1.98	0.160	0.30	0.85	110	880	37	11 681	1 100.8	1980	83 12	11
64	3.30	0.190	0.28	0.85	66	874	31	10 586	1 096.8	1979	81 09	12
												13
424	1.51	0.190	0.34	0.87	60	871	31	9 370	1 014.8	1980	84 12 - GPP	14
48	2.25	0.200	0.30	0.88	45	866	49	8 500	1 015.0	1982	84 06 - GPP	15
32	1.50	0.200	0.25	0.86	68	889	30	11 101	1 015.0	1982	82 12	16
96	2.56	0.190	0.28	0.86	62	889	32	10 833	1 003.4	1982	83 05	17
64	1.71	0.200	0.15	0.90	38	892	32	6 216	1 011.5	1982	84 12	18
												19
64	1.50	0.180	0.40	0.86	62	887	32	9 350	1 052.2	1974	83 06	20
526	1.51	0.210	0.30	0.81	87	887	35	10 330	1 048.4	1983	84 10	21
64	1.00	0.200	0.47	0.86	62	887	32	9 350	1 102.5	1983	84 02 - PREV CONF	22
64	1.70	0.150	0.50	0.86	62	887	32	9 350	1 092.2	1983	84 03 - PREV CONF	23
64	5.40	0.180	0.31	0.81	86	817	35	10 328	1 073.2	1983	84 07 - PREV CONF	24
												25
												26
65	2.44	0.110	0.20	0.65		784	56	12 800	1 545.3	1976	82 12 - GPP	27
65	16.76	0.117	0.12	0.73	83	806	52	5 420	1 363.4	1975	82 12 - GPP	28
6 763	47.55	0.082	0.10	0.67	148	825	60	19 130	2 557.0	1936	83 12 - GPP	29
64	28.50	0.044	0.34	0.67	146	824	66	26 897	3 103.9	1981	83 02 - GPP	30
												31
							41		1 460.0	1910	68 07 - GPP	32
												33
												34
64	2.46	0.170	0.35	0.82	80	839	36	10 300	1 577.0	1975	77 05 - ABAND 77 05	35
64	2.50	0.150	0.50	0.84	50	895	49	10 953	1 658.8	1981	82 05 - SUSP 83 08	36
64	1.80	0.140	0.45	0.85	54	895	41	10 280	1 620.0	1973	82 08 - SUSP 82 08	37
1 408					79	876	52	11 720	1 581.6	1960	82 08 - GPP	38
												39
												40
32	2.44	0.170	0.28	0.80								41
1 376	1.67	0.137	0.28	0.80								42
65	3.35	0.180	0.22	0.82	53	887	59	10 000	1 586.8	1970	77 11	43
125	1.03	0.150	0.35	0.80	85	869	57	10 980	1 630.6	1977	84 02 - GPP	44
64	4.00	0.150	0.25	0.82	78	886	53	11 700	1 597.5	1980	80 09	45
												46
64	2.40	0.220	0.30	0.82	78	875	50	11 157	1 626.7	1973	83 12 - SUSP 83 05	47
128	3.11	0.140	0.34	0.80	80	873	50	10 644	1 539.5	1965	83 07	48
20 547	14.48	0.057	0.36	0.82	66	876	61	11 410	1 650.5	1952	74 08 - GPP - ADMIN 2	49
												50
64	2.70	0.070	0.20	0.80	79	877	55	9 515	1 645.6	1981	84 02	51
												52
												53
64	5.00	0.180	0.30	0.82	58	888	51	11 000	1 624.5	1982	83 01	54
64	2.80	0.200	0.25	0.80	74	883	50	9 648	1 581.3	1980	81 08 - SUSP 81 09	55
64	6.30	0.170	0.25	0.80	51	887	42	8 500	1 596.5	1981	84 01	56
6 490	12.96	0.070	0.23	0.83	62	876	62	11 450	1 659.9	1961	82 12 - GPP	57
												58
												59
64	6.50	0.080	0.35	0.91	28	843	49	3 800	1 639.0	1982	83 04	60
64	2.40	0.080	0.40	0.91	27	843	50	3 650	1 632.6	1983	83 11 - PREV CONF	61
64	6.10	0.060	0.40	0.91	28	843	48	4 000	1 631.9	1983	84 01 - PREV CONF	62
64	7.60	0.064	0.35	0.91	28	843	49	4 000	1 635.9	1983	84 01 - PREV CONF	63
												64
512	2.05	0.106	0.35	0.83	71	819	49	17 530	1 726.7	1977	84 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
UTIKUMA LAKE 081-09W5 (CONTINUED)								
GILWOOD E	84.3	0.20		16.9		16.9	.4	16.5
KEG RIVER SANDSTONE A	17 000	0.35		5 950		5 950	4 265.1	1 684.9
KEG RIVER SANDSTONE H	256	0.35		89.6		89.6	46.0	43.6
KEG RIVER SANDSTONE I	824	0.35		288		288	103.0	185.0
KEG RIVER SANDSTONE K	620	0.35		217		217	91.7	125.3
KEG RIVER SANDSTONE L	141	0.25		35.3		35.3	8.9	26.4
KEG RIVER SANDSTONE M	1 010	0.25		253		253	71.0	182.0
KEG RIVER SANDSTONE N	2 900	0.35		1 020		1 020	485.4	534.6
KEG RIVER SANDSTONE O	440	0.25		110		110	14.0	96.0
KEG RIVER SANDSTONE P	296	0.25		74.0		74.0	8.8	65.2
KEG RIVER SANDSTONE R	125	0.35		43.8		43.8	17.6	26.2
KEG RIVER SANDSTONE S	365	0.35		128		128	27.8	100.2
KEG RIVER SANDSTONE T	459	0.25		115		115	28.2	86.8
KEG RIVER SANDSTONE U	2 350	0.25		588		588	53.7	534.3
KEG RIVER SANDSTONE V	222	0.25		55.5		55.5	16.6	38.9
KEG RIVER SANDSTONE W	58.7	0.30		17.6		17.6	5.3	12.3
KEG RIVER SANDSTONE X	250	0.25		62.5		62.5	11.0	51.5
KEG RIVER SANDSTONE Y	149	0.30		44.7		44.7	5.6	39.1
KEG RIVER SANDSTONE Z	274	0.30		82.2		82.2	14.7	67.5
KEG RIVER SANDSTONE AA	116	0.35		40.6		40.6	3.9	36.7
KEG RIVER SANDSTONE BB	318	0.25		79.5		79.5	13.2	66.3
KEG RIVER SANDSTONE CC	157	0.25		39.3		39.3	5.3	34.0
KEG RIVER SANDSTONE EE	393	0.30		118		118	8.0	110.0
VALHALLA 075-10W6								
DOE CREEK D	142	0.15		21.3		21.3	9.4	11.9
DOE CREEK I	29 700	0.10		2 970		2 970	226.0	2 744.0
BOUNDARY B	1 780	0.15		267		267	30.0	237.0
BOUNDARY C	78.5	0.15		11.8		11.8	2.2	9.6
BOUNDARY A & CHARLIE LAKE A	90.1	0.15		13.5		13.5	7.1	6.4
HALFWAY C	586	0.10		58.6		58.6	22.9	35.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	1.24	0.160	0.20	0.83	62	830	48	7 100	1 692.9	1977	84 12	3
4 207	3.60	0.186	0.29	0.85	65	820	49	18 270	1 727.4	1963	79 07	4
84	2.70	0.190	0.30	0.85	65	825	49	15 510	1 755.3	1977	81 11	6
128	6.13	0.190	0.35	0.85	65	820	49	15 130	1 761.7	1977	81 11	9
139	4.25	0.180	0.30	0.85	65	839	52	15 630	1 760.9	1977	81 11	11
64	2.47	0.150	0.30	0.85	65	829	54	15 000	1 737.7	1978	78 10	13
320	2.87	0.190	0.32	0.85	65	825	52	17 430	1 726.5	1978	84 08	16
550	5.30	0.180	0.35	0.85	65	825	52	15 490	1 737.7	1977	81 11	18
128	3.50	0.175	0.34	0.85	65	810	49	15 620	1 754.8	1979	80 11 – GPP	20
64	5.29	0.145	0.29	0.85	65	824	48	16 737	1 729.9	1979	79 12	23
64	1.91	0.170	0.29	0.85	65	825	43	13 889	1 740.3	1979	81 11	25
128	2.74	0.180	0.32	0.85	59	820	45	15 062	1 715.2	1980	82 05	27
64	7.09	0.170	0.30	0.85	65		49	13 732	1 739.2	1981	81 09	30
320	7.16	0.180	0.33	0.85	58	827	50	15 910	1 740.0	1980	83 03	32
64	3.20	0.180	0.29	0.85	65	825	49	16 396	1 742.6	1979	79 10	34
64	.76	0.200	0.29	0.85	65	824	60	11 584	1 731.8	1982	83 01	37
64	4.50	0.170	0.40	0.85	65	822	49	15 450	1 736.7	1982	83 04 – PREV CONF	39
64	2.80	0.140	0.30	0.85	60	845	49	7 200	1 731.8	1983	83 05 – PREV CONF	41
64	4.00	0.180	0.30	0.85	55	823	50	6 500	1 731.0	1983	83 08 – PREV CONF	44
64	1.60	0.190	0.30	0.85	57	820	44	6 600	1 746.7	1983	83 08 – PREV CONF	46
64	4.30	0.200	0.32	0.85	50	843	61	6 400	1 739.5	1983	83 11 – PREV CONF	48
64	2.00	0.200	0.38	0.85	55	843	50	7 400	1 736.0	1983	84 02 – PREV CONF	51
128	2.57	0.210	0.33	0.85	67	830	41	11 584	1 732.4	1978	84 10	53
64	1.50	0.240	0.30	0.88	50	834	28	4 137	764.3	1980	84 12	57
20 912	4.18	0.230	0.35	0.95	19	858	28	3 144	718.7	1982	84 08	58
640	2.63	0.170	0.17	0.75	164	821	73	18 547	2 009.7	1973	84 10	59
64	2.00	0.100	0.16	0.73	100	816	87	18 133	1 963.0	1983	84 08 – PREV CONF	60
64	2.80	0.090	0.22	0.73	149		72	18 133	1 978.8	1981	84 02	62
128	8.00	0.130	0.34	0.67	145	785	73	19 800	1 953.7	1980	84 09	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
VAUXHALL 012-17W4								
LOWER MANNVILLE A	57.8	0.10		5.8		5.8	.1	5.7
VEGA 061-03W5								
VIKING B	138	0.02		2.8		2.8	.2	2.6
VIKING C	109	0.10		10.9		10.9	.5	10.4
VERGER 022-15W4								
UPPER MANNVILLE F	182	0.10		18.2		18.2	2.0	16.2
VIRGINIA HILLS 065-13W5								
BELLOY A TOTAL	10 200			2 290	1 520	3 810	1 097.6	2 712.4
PRIMARY AREA	122	0.10		12.2		12.2		
WATER FLOOD AREA	10 100	<0.23	0.15	2 280	1 520	3 800		
BELLOY B	67.0	0.10		6.7		6.7	.1	6.6
BEAVERHILL LAKE TOTAL	75 400			17 200	8 000	25 200	18 980.7	6 219.3
PRIMARY AREA	1 830	0.23		421		421		
WATER FLOOD AREA	73 600	<0.23	0.11	16 800	8 000	24 800		
BEAVERHILL LAKE B	30.4	0.15		4.6		4.6		4.6
BEAVERHILL LAKE C	106	0.25		26.5		26.5	1.3	25.2
VIRGO 115-06W6								
SULPHUR POINT E	35.0	0.20		7.0		7.0	.1	6.9
SULPHUR POINT A & KEG RIVER MM	249	0.45		112		112	99.1	12.9
MUSKEG A	334	0.20		66.7		66.7	51.5	15.2
MUSKEG B	39.7	0.20		7.9		7.9	6.5	1.4
MUSKEG C	160	0.25		40.0		40.0	33.1	6.9
MUSKEG E	59.6	<0.20		11.6		11.6	11.6	
MUSKEG G	191	0.25		47.7		47.7	30.3	17.4
MUSKEG I	207	0.35		72.3		72.3	37.8	34.5
MUSKEG J	175	<0.09		14.4		14.4	14.4	
MUSKEG K	440	<0.01		.9		.9	.9	
MUSKEG L	159	0.15		23.8		23.8	11.8	12.0
MUSKEG M	173	<0.03		4.1		4.1	4.1	
MUSKEG O	462	0.15		69.3		69.3	8.0	61.3
MUSKEG Q	943	0.20		189		189	2.2	186.8
MUSKEG R	601	0.20		120		120	5.0	115.0
MUSKEG D & KEG RIVER L	429	0.15		64.4		64.4	52.4	12.0
MUSKEG P & KEG RIVER R3R	185	0.30		55.5		55.5	.9	54.6
KEG RIVER A	222	0.30		66.7		66.7	41.6	25.1
KEG RIVER B	397	0.37		147	ERSO	147	123.3	23.7
KEG RIVER C	139	0.40		55.8		55.8	45.1	10.7
KEG RIVER D	540	<0.14		72.5		72.5	72.5	
KEG RIVER E	620	0.38		235		235	204.1	30.9
KEG RIVER F	159	<0.15		23.2		23.2	23.2	
KEG RIVER G	461	0.20		92.2		92.2	69.7	22.5
KEG RIVER H	636	0.38		242		242	132.4	109.6
KEG RIVER I WATER FLOOD	359	0.35	0.13	126	46.7	173	92.4	80.6
KEG RIVER J	159	0.38		60.4		60.4	52.0	8.4
KEG RIVER K	198	0.52		103		103	86.5	16.5

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
64	1.00	0.150	0.30	0.86	64	895	30	11 069	1 027.9	1980	83 01 - SUSP 83 08	4
												5
												6
64	2.00	0.210	0.41	0.87		849	32	5 863	833.0	1980	83 12 - SUSP 84 04	7
64	1.50	0.190	0.31	0.87		846	30	5 863	810.0	1980	82 03 - SUSP 84 04	8
												9
												10
64	4.20	0.140	0.45	0.88	47	861	35	9 373	1 073.2	1982	82 12	11
												12
												13
1 948								13 434	1 850.4	1973	82 09	14
64	3.39	0.100	0.33	0.84								15
1 884	5.32	0.174	0.31	0.84								16
64	2.35	0.074	0.30	0.86	53	884	69	11 390	1 826.0	1978	83 03	17
												18
12 667					88	834	102	25 510	2 830.4	1957	80 12	19
												20
1 745	3.00	0.063	0.27	0.76								21
10 922	12.40	0.086	0.18	0.77								22
64	1.62	0.073	0.45	0.73	97	852	99	13 438	2 752.8	1983	84 01 - PREV CONF	23
												24
64	4.80	0.070	0.35	0.76	80	847	103	10 225	2 855.2	1983	84 01 - PREV CONF	25
												26
												27
16	4.90	0.070	0.25	0.85	62	860	50	8 300	1 372.4	1977	84 05	28
9	53.00	0.070	0.17	0.87	35	865	68	14 400	1 467.9	1968	76 08	29
												30
19	20.82	0.130	0.15	0.78	85	839	74	15 170	1 515.2	1968	69 04	31
												32
10	14.02	0.045	0.20	0.81	74	849	71	14 240	1 478.0	1968	73 02	33
8	32.60	0.080	0.11	0.86	45	865	76	14 730	1 496.0	1968	80 12 - GPP	34
4	19.05	0.100	0.10	0.86	46	870	71	12 440	1 472.2	1969	80 12 - SUSP 80 09	35
11	26.45	0.090	0.17	0.88	39	881	67	13 860	1 475.2	1969	81 10 - GPP	36
16	44.20	0.050	0.20	0.74	88	829	72	14 670	1 541.4	1970	71 06	37
												38
49	12.71	0.046	0.30	0.88	35	881	65	13 580	1 439.9	1971	82 12 - SUSP 81 03	39
65	20.12	0.051	0.17	0.80	80	849	71	14 890	1 500.5	1971	73 02 - SUSP 72 03	40
13	17.98	0.089	0.11	0.86	53	870	70	11 960	1 481.6	1971	73 12 - GPP	41
65	12.50	0.040	0.35	0.82	106	834	73	12 590	1 486.5	1973	83 12 - SUSP 82 05	42
64	19.80	0.055	0.15	0.78	89	850	71	16 930	1 505.4	1969	80 06 - GPP	43
												44
64	27.90	0.080	0.25	0.88	39	882	67	13 301	1 495.0	1983	83 05 - SUSP 84 03	45
64	11.00	0.120	0.11	0.80	45		62	15 000	1 546.5	1983	83 10 - PREV CONF	46
49	16.70	0.076	0.17	0.83	75	829	62	15 790	1 596.5	1968	84 12 - GPP	47
												48
64	7.00	0.080	0.40	0.86	34	794	82	13 677	1 647.5	1981	82 10	49
												50
												51
10	41.03	0.080	0.15	0.76	106	825	68	15 170	1 545.0	1968	70 02 - GPP	52
14	38.93	0.094	0.11	0.87	43	849	71	14 670	1 466.7	1968	81 10 - GPP	53
8	35.30	0.068	0.16	0.90	32	876	64	14 560	1 460.6	1968	71 03	54
12	66.96	0.090	0.10	0.85	48	860	73	15 000	1 493.5	1968	78 01 - SUSP 77 11	55
13	66.96	0.094	0.10	0.82	75	849	68	15 200	1 513.0	1967	74 09	56
												57
5	37.80	0.130	0.08	0.69	143	876	76	15 130	1 531.0	1968	79 04 - SUSP 79 02	58
10	88.09	0.077	0.16	0.80	74	839	76	16 030	1 592.0	1968	83 12 - GPP	59
13	68.52	0.093	0.10	0.83	65	876	77	15 270	1 499.0	1968	74 09 - GPP	60
12	44.50	0.090	0.10	0.83	78	849	71	14 990	1 495.0	1968	83 12 - I.S. NO. 6	61
												62
												63
11	36.45	0.053	0.14	0.87	50	865	68	14 460	1 462.1	1968	81 10	64
7	58.14	0.065	0.12	0.85	45	855	70	14 930	1 499.3	1968	81 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10³m³	fraction				10³m³		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	VIRGO 115-06W6 (CONTINUED)								
3	KEG RIVER M	270	<0.11		28.5		28.5	28.5	
4	KEG RIVER N	159	0.35		55.7		55.7	39.3	16.4
5	KEG RIVER O	159	0.38		60.4	ERSO	60.4	29.9	30.5
6	KEG RIVER P	350	0.10		35.0	ERSO	35.0	32.5	2.5
7									
8	KEG RIVER Q	477	<0.10		45.8		45.8	45.8	
9	KEG RIVER R	318	0.35	0.05	111	15.9	127	111.8	15.2
10	WATER FLOOD								
11	KEG RIVER S	270	0.30		81.0		81.0	70.3	10.7
12	KEG RIVER T	524	0.20		105		105	53.4	51.6
13									
14	KEG RIVER U	381	<0.11		39.6		39.6	39.6	
15	KEG RIVER V	195	0.35		68.3		68.3	46.2	22.1
16	KEG RIVER W	715	0.30		215		215	167.0	48.0
17	KEG RIVER X	254	<0.11		26.3		26.3	26.3	
18	KEG RIVER Y	250	0.40		100		100	73.1	26.9
19									
20	KEG RIVER Z	318	0.39	0.09	124	28.6	153	139.4	13.6
21	WATER FLOOD								
22	KEG RIVER AA	572	0.25		143		143	94.3	48.7
23	KEG RIVER BB	192	0.40		76.8		76.8	60.7	16.1
24	KEG RIVER CC	30.7	0.30		9.2		9.2	4.2	5.0
25									
26	KEG RIVER DD	194	0.38	0.11	73.7	21.3	95.0	30.3	64.7
27	WATER FLOOD								
28	KEG RIVER EE	127	0.25		31.8		31.8	24.9	6.9
29	KEG RIVER FF	636	<0.05		30.4		30.4	30.4	
30	KEG RIVER GG	636	0.09		57.2		57.2	51.2	6.0
31									
32	KEG RIVER HH	214	0.35		75.0		75.0	59.8	15.2
33	KEG RIVER II	366	0.35		128		128	11.0	117.0
34	KEG RIVER JJ	556	0.30		167		167	123.4	43.6
35	KEG RIVER KK	318	<0.08		25.0		25.0	25.0	
36	KEG RIVER LL	95.3	0.30		28.6		28.6	10.9	17.7
37									
38	KEG RIVER NN	159	<0.31		48.6		48.6	48.6	
39	KEG RIVER OO	159	0.15		23.9		23.9	16.2	7.7
40	KEG RIVER PP	47.7	<0.06		2.8		2.8	2.8	
41	KEG RIVER QQ	238	<0.16		36.2		36.2	36.2	
42	KEG RIVER RR	1 270	<0.08		90.4		90.4	90.4	
43									
44	KEG RIVER SS	155	0.30		46.6		46.6	29.3	17.3
45	KEG RIVER TT	191	<0.13		23.1		23.1	23.1	
46	KEG RIVER UU	152	<0.01		1.0		1.0	1.0	
47	KEG RIVER VV	464	0.30		139		139	135.0	4.0
48	KEG RIVER WW	483	0.20	0.10	96.6	48.3	145	91.7	53.3
49	WATER FLOOD								
50									
51	KEG RIVER XX	578	<0.09		47.4		47.4	47.4	
52	KEG RIVER YY	200	0.40		80.0		80.0	50.6	29.4
53	KEG RIVER ZZ	238	0.10		23.8		23.8	21.6	2.2
54	KEG RIVER AAA	230	0.35	0.13	80.5	29.9	110	94.3	15.7
55	WATER FLOOD								
56									
57	KEG RIVER BBB	445	<0.18		79.9		79.9	79.9	
58	KEG RIVER CCC	250	0.08	0.17	20.0	42.5	62.5	13.0	49.5
59	WATER FLOOD								
60	KEG RIVER DDD	191	0.07		13.4		13.4	13.4	
61	KEG RIVER EEE	238	<0.10		22.3		22.3	22.3	
62									
63	KEG RIVER FFF	292	<0.01		.3		.3	.3	
64	KEG RIVER GGG	509	0.10	0.08	50.9	40.7	91.6	77.4	14.2
65	WATER FLOOD								

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
												1
												2
19	28.96	0.078	0.12	0.73	121	815	78	15 070	1 535.9	1968	83 12 - SUSP 81 10	3
6	47.40	0.073	0.12	0.87	50	865	68	14 550	1 474.6	1968	82 12	4
6	52.50	0.066	0.12	0.87	43	865	61	14 400	1 467.0	1968	81 10	5
8	74.75	0.081	0.14	0.84	45	860	76	14 960	1 503.6	1968	84 06 - SUSP 80 10	6
												7
15	62.00	0.071	0.14	0.84	58	855	72	14 980	1 504.2	1968	83 12 - SUSP 80 01	8
8	56.69	0.100	0.10	0.81	80	876	63	15 090	1 504.2	1968	75 01 - I.S. NO. 6	9
												10
6	73.52	0.077	0.10	0.82	60	855	71	12 770	1 530.4	1968	82 12 - GPP	11
22	42.70	0.080	0.15	0.82	69	849	71	14 340	1 494.7	1968	82 12 - GPP	12
												13
19	30.75	0.100	0.11	0.75	107	829	71	15 470	1 551.7	1968	75 02 - SUSP 73 08	14
7	37.50	0.110	0.10	0.75	101	839	72	15 170	1 527.7	1968	83 12	15
11	73.15	0.120	0.09	0.82	68	849	71	15 280	1 515.8	1968	76 05	16
6	66.45	0.093	0.12	0.77	96	839	72	15 370	1 538.0	1968	77 03 - SUSP 75 12	17
19	34.37	0.055	0.20	0.87	47	849	69	14 740	1 478.0	1968	84 12	18
												19
10	50.60	0.084	0.10	0.81	75	860	64	14 780	1 489.6	1968	71 09 - I.S. NO. 6	20
												21
25	47.24	0.073	0.24	0.87	45	849	72	14 860	1 486.8	1968	82 12 - GPP	22
10	43.30	0.060	0.16	0.88	35	855	67	14 650	1 467.6	1968	83 12	23
7	27.10	0.025	0.30	0.89	30	860	68	14 450	1 447.2	1968	80 06	24
												25
11	32.61	0.074	0.13	0.83	67	849	69	14 450	1 481.0	1968	70 07 - GPP - IS NO 5	26
												27
10	21.56	0.090	0.15	0.77	101	839	71	15 310	1 529.5	1968	69 11 - GPP	28
34	39.51	0.070	0.11	0.76	104	820	70	15 380	1 544.7	1968	84 12 - SUSP 83 06	29
51	28.56	0.069	0.14	0.73	120	829	74	15 040	1 541.7	1968	83 12	30
												31
13	20.92	0.130	0.11	0.68	158	815	79	15 450	1 570.3	1968	83 12	32
9	68.00	0.085	0.20	0.88	46	876	63	14 690	1 482.9	1968	83 12	33
19	50.11	0.081	0.16	0.84	53	870	69	14 740	1 475.8	1968	70 02 - GPP	34
17	36.82	0.080	0.15	0.73	124	834	69	15 290	1 554.2	1968	78 10 - SUSP 77 10	35
10	17.98	0.079	0.19	0.80	74	844	70	15 620	1 632.2	1968	75 12	36
												37
4	47.25	0.110	0.09	0.84	56	870	62	14 580	1 476.1	1968	83 12 - SUSP 81 12	38
9	33.78	0.070	0.13	0.86	50	865	68	14 160	1 464.3	1968	82 12 - SUSP 84 07	39
6	17.25	0.067	0.20	0.85	72	844	71	13 620	1 492.9	1969	70 02 - SUSP 73 03	40
19	26.16	0.082	0.20	0.73	118	839	72	15 452	1 545.3	1969	78 07 - SUSP 83 09	41
57	39.32	0.076	0.12	0.85	43	860	69	14 820	1 481.3	1969	84 12 - SUSP 84 01	42
												43
19	32.40	0.040	0.25	0.84	58	876	66	14 620	1 474.3	1969	70 06	44
9	38.25	0.083	0.10	0.75	107	834	71	15 360	1 549.0	1969	77 05 - SUSP 77 02	45
34	18.04	0.040	0.25	0.82	69	849	71	13 570	1 484.0	1969	81 12 - GPP	46
13	63.98	0.081	0.15	0.84	65	860	70	14 618	1 483.8	1969	70 08	47
10	65.53	0.098	0.09	0.84	64	860	70	14 740	1 501.1	1969	82 12 - GPP - IS NO 5	48
												49
												50
17	33.89	0.140	0.08	0.78	92	829	76	15 380	1 553.0	1969	77 11 - ABAND 76 11	51
6	56.70	0.094	0.12	0.77	91	834	76	15 130	1 547.5	1969	81 10 - SUSP 83 03	52
15	27.77	0.080	0.20	0.88	40	855	70	14 480	1 467.3	1969	75 12 - GPP	53
11	44.00	0.070	0.15	0.80	84	839	71	14 960	1 494.4	1968	83 12 - IS NO 6	54
												55
												56
8	65.23	0.120	0.10	0.78	93	834	72	15 410	1 532.2	1969	82 12 - SUSP 80 07	57
8	70.50	0.060	0.12	0.84	47	855	71	14 470	1 512.7	1969	84 03	58
												59
7	44.00	0.082	0.11	0.85	50	865	68	13 220	1 469.4	1969	83 12 - SUSP 81 12	60
5	57.24	0.107	0.12	0.84	54	865	71	12 670	1 501.1	1969	70 10 - SUSP 72 07	61
												62
65	6.40	0.100	0.15	0.83	69	849	71	13 340	1 482.5	1969	70 12 - SUSP 70 01	63
11	59.30	0.102	0.10	0.85	53	865	70	13 970	1 495.3	1969	81 12 - GPP	64
												65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	VIRGO 115-06W6 (CONTINUED)								
3	KEG RIVER HHH	49.6	0.20		9.9		9.9	5.3	4.6
4	KEG RIVER III	47.7	<0.05		2.1		2.1	2.1	
5	KEG RIVER JJJ	556	0.20		111		111	24.7	86.3
6	KEG RIVER KKK	238	0.35		83.3		83.3	66.5	16.8
7									
8	KEG RIVER LLL	207	0.30		62.0		62.0	41.1	20.9
9	KEG RIVER MMM	95.3	0.35		33.4		33.4	28.7	4.7
10	KEG RIVER NNN	207	0.30		62.0		62.0	47.8	14.2
11	KEG RIVER OOO	404	0.10	0.01	40.4	4.0	44.4	44.4	
12	WATER FLOOD								
13									
14	KEG RIVER PPP	227	0.15	0.10	34.2	22.7	56.9	53.1	3.8
15	WATER FLOOD								
16	KEG RIVER QQQ	320	<0.16		49.0		49.0	49.0	
17	KEG RIVER RRR	556	<0.07		35.9		35.9	35.9	
18	KEG RIVER SSS	238	0.05		11.9		11.9	2.9	9.0
19									
20	KEG RIVER TTT	477	0.30		143		143	108.3	34.7
21	KEG RIVER UUU	111	<0.20		22.1		22.1	22.1	
22	KEG RIVER VVV	39.7	<0.05		1.7		1.7	1.7	
23	KEG RIVER WWW	111	<0.10		10.5		10.5	10.5	
24	KEG RIVER XXX	267	0.20		53.4		53.4	38.6	14.8
25									
26	KEG RIVER YYY	175	0.36		62.9		62.9	40.7	22.2
27	KEG RIVER ZZZ	195	0.30		58.6		58.6	47.3	11.3
28	KEG RIVER A2A	318	0.30		95.3		95.3	89.6	5.7
29	KEG RIVER B2B	331	<0.06		17.5		17.5	17.5	
30	KEG RIVER C2C	397	0.20		79.4		79.4	31.0	48.4
31									
32	KEG RIVER D2D	318	0.30		95.3		95.3	85.2	10.1
33	KEG RIVER E2E	238	<0.06		13.2		13.2	13.2	
34	KEG RIVER F2F	139	0.15		20.8	ERSO	20.8	17.5	3.3
35	KEG RIVER G2G	79.5	<0.01		.7		.7	.7	
36	KEG RIVER H2H	477	0.10		47.7	ERSO	47.7	37.2	10.5
37									
38	KEG RIVER I2I	180	0.35		63.0		63.0	49.7	13.3
39	KEG RIVER J2J	56.3	0.06		3.4		3.4	3.4	
40	KEG RIVER K2K	636	0.17		108		108	95.4	12.6
41	KEG RIVER L2L	253	0.17		43.0		43.0	33.7	9.3
42	KEG RIVER M2M	259	0.10		25.9		25.9	25.5	.4
43									
44	KEG RIVER N2N	348	0.16		55.7		55.7	52.1	3.6
45	KEG RIVER O2O	238	0.15		35.7		35.7	18.8	16.9
46	KEG RIVER P2P	191	<0.02		3.6		3.6	3.6	
47	KEG RIVER Q2Q	74.8	0.36		27.0	ERSO	27.0	1.9	25.1
48	KEG RIVER R2R	397	0.07	0.08	27.8	31.8	59.6	45.2	14.4
49	WATER FLOOD								
50									
51	KEG RIVER S2S	270	0.40		108		108	58.8	49.2
52	KEG RIVER T2T	203	0.30		61.0		61.0	40.9	20.1
53	KEG RIVER U2U	421	0.11		46.3		46.3	39.2	7.1
54	KEG RIVER V2V	101	0.35		35.4		35.4	17.8	17.6
55	KEG RIVER W2W	636	0.08		50.9		50.9	45.0	5.9
56									
57	KEG RIVER X2X	397	0.15		59.6		59.6	51.5	8.1
58	KEG RIVER Y2Y	747	0.15		112		112	75.5	36.5
59	KEG RIVER Z2Z	305	<0.03		6.2		6.2	6.2	
60	KEG RIVER A3A	254	0.35		89.0		89.0	66.6	22.4
61	KEG RIVER B3B	477	0.20		95.3		95.3	32.9	62.4
62									
63	KEG RIVER C3C	159	<0.20		30.9		30.9	30.9	
64	KEG RIVER D3D	111	0.35		38.9		38.9	28.9	10.0
65	KEG RIVER E3E	556	0.20		111		111	46.6	64.4

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
8	24.78	0.037	0.24	0.89	40	860	68	13 930	1 442.9	1969	84 06 - GPP	3
8	15.54	0.064	0.24	0.82	71	839	71	13 510	1 498.4	1969	74 05 - ABAND 70 11	4
21	40.39	0.094	0.15	0.82	62	865	72	14 250	1 529.5	1969	79 12 - GPP	5
7	47.89	0.094	0.09	0.83	67	849	71	14 600	1 504.8	1969	83 12	6
14	39.32	0.053	0.20	0.90	30	870	68	14 280	1 460.3	1969	70 07 - GPP	8
14	24.54	0.040	0.22	0.88	46	855	71	14 380	1 476.5	1969	70 07 - GPP	9
22	27.01	0.050	0.20	0.86	44	870	68	14 310	1 463.3	1969	70 03	10
8	82.91	0.080	0.10	0.84	59	844	66	11 660	1 506.0	1969	83 12 - SUSP 79 12	11
11	60.96	0.047	0.14	0.84	60	855	68	13 810	1 498.1	1969	76 12 - GPP - IS NO 5	14
18	45.80	0.072	0.13	0.62	210	820	78	15 530	1 586.2	1969	83 12 - SUSP 82 02	16
15	65.00	0.096	0.11	0.65	171	815	78	15 180	1 570.9	1969	83 12 - SUSP 81 06	17
6	72.92	0.080	0.20	0.85	52	870	71	13 910	1 524.0	1969	81 12 - SUSP 82 08	18
11	67.67	0.095	0.13	0.81	71	855	74	15 220	1 534.7	1969	70 07 - GPP	20
8	37.88	0.069	0.17	0.64	192	811	82	15 470	1 595.6	1969	83 12 - SUSP 82 01	21
5	26.52	0.044	0.21	0.82	66	876	75	13 210	1 511.5	1969	75 12 - SUSP 75 02	22
7	21.34	0.110	0.12	0.74	118	829	71	14 800	1 539.9	1969	75 12 - SUSP 75 06	23
162	30.48	0.075	0.15	0.85	30	865	68	14 460	1 455.1	1969	79 12 - GPP	24
16	30.80	0.069	0.15	0.73	123	829	72	15 240	1 540.8	1969	71 09 - GPP	26
22	33.38	0.047	0.30	0.80	64	849	70	13 850	1 477.7	1969	70 06	27
6	77.11	0.100	0.09	0.80	84	844	76	15 100	1 534.4	1969	70 08 - SUSP 84 01	28
20	26.49	0.090	0.23	0.89	34	870	70	13 560	1 456.6	1969	75 12 - SUSP 75 02	29
10	48.83	0.105	0.11	0.87	41	881	64	13 130	1 464.6	1969	80 01 - GPP	30
9	66.72	0.077	0.12	0.79	77	844	73	14 730	1 531.6	1969	70 08 - GPP	32
12	33.89	0.079	0.15	0.86	48	870	69	11 190	1 490.8	1969	73 02 - SUSP 72 12	33
11	24.08	0.085	0.17	0.76	104	834	73	15 130	1 520.0	1969	70 06 - GPP - IS NO 7	34
11	28.65	0.045	0.32	0.83	62	849	71	14 500	1 497.5	1969	73 02 - SUSP 71 07	35
17	40.54	0.103	0.12	0.78	90	849	71	14 710	1 510.0	1969	82 12 - GPP - IS NO 7	36
10	34.74	0.070	0.15	0.87	43	860	70	14 130	1 467.6	1970	83 12	38
11	29.19	0.033	0.23	0.69	125	815	82	15 480	1 606.0	1970	79 01 - SUSP 80 07	39
9	78.15	0.114	0.08	0.83	63	849	70	11 050	1 521.6	1970	82 12 - GPP	40
11	43.56	0.070	0.17	0.88	37	865	68	13 720	1 471.0	1970	82 12 - GPP	41
23	27.22	0.061	0.20	0.86	45	834	72	13 880	1 474.6	1970	74 12	42
15	36.09	0.085	0.10	0.82	70	849	73	13 360	1 501.4	1970	83 12 - GPP	44
12	44.35	0.061	0.20	0.88	38	855	68	14 370	1 457.6	1970	82 12 - GPP	45
13	33.83	0.075	0.20	0.75	92	829	76	14 930	1 563.6	1970	75 03 - SUSP 75 03	46
8	30.48	0.050	0.20	0.80	90	849	72	13 890	1 524.6	1970	73 02 - GPP - IS NO 7	47
16	46.02	0.075	0.10	0.82	68	860	70	11 400	1 491.8	1970	75 12 - GPP	48
13	40.93	0.075	0.10	0.78	90	839	72	14 040	1 513.9	1970	71 09 - GPP	51
6	50.66	0.085	0.10	0.81	53	849	79	12 600	1 500.2	1971	75 12 - GPP	52
10	48.77	0.120	0.10	0.80	76	849	73	12 450	1 523.1	1971	84 12	53
11	48.89	0.030	0.23	0.82	80	849	73	14 530	1 508.5	1971	72 07 - GPP	54
13	91.74	0.073	0.10	0.84	89	865	70	10 450	1 512.4	1971	81 12 - GPP	55
11	49.07	0.105	0.18	0.86	53	865	70	10 640	1 476.5	1972	83 12 - GPP	57
11	72.40	0.120	0.07	0.84	57	855	69	12 500	1 495.3	1972	84 07	58
17	37.12	0.067	0.15	0.87	41	870	57	10 410	1 488.9	1972	75 12 - SUSP 75 03	59
12	45.72	0.070	0.15	0.77	89	829	81	15 240	1 531.9	1972	73 05	60
10	54.86	0.120	0.10	0.83	51	865	72	14 360	1 496.3	1972	75 12 - GPP	61
7	32.80	0.090	0.10	0.87	53	870	69	14 880	1 467.9	1973	82 12 - SUSP 81 12	63
5	31.18	0.095	0.18	0.87	33	876	65	13 810	1 449.6	1973	74 05 - SUSP 84 07	64
9	55.17	0.136	0.10	0.87	43	870	62	14 270	1 471.6	1973	77 06 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER F3F	404	0.03		12.1		12.1	9.6	2.5
KEG RIVER G3G	310	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	6.3	27.6
KEG RIVER I3I	248	0.25		62.0		62.0	3.7	58.3
KEG RIVER J3J	397	0.15		59.6		59.6	51.0	8.6
KEG RIVER L3L	65.3	<0.01		.2		.2	.2	
KEG RIVER N3N	353	0.25		88.3		88.3	18.7	69.6
KEG RIVER O3O	594	0.30		178		178	6.1	171.9
KEG RIVER P3P	384	0.25		96.0		96.0	.3	95.7
KEG RIVER Q3Q	1 310	0.25		328		328	13.2	314.8
KEG RIVER S3S	354	0.30		106		106	2.1	103.9
KEG RIVER T3T	110	0.25		27.5		27.5	2.2	25.3
WANYANDIE 060-27W5								
CARDIUM A	242	0.10		24.2		24.2	3.5	20.7
CARDIUM B	424	0.10		42.4		42.4	.1	42.3
CARDIUM C	397	0.10		39.7		39.7	1.1	38.6
WAPITI 067-06W6								
CARDIUM A	2 040	0.10		204		204	11.1	192.9
WASKAHIGAN 064-23W5								
DUNVEGAN A	3 690	0.05		185		185	67.6	117.4
DUNVEGAN C	524	0.10		52.4		52.4	8.2	44.2
WATELET 047-26W4								
BELLY RIVER B	281	0.01		2.8		2.8	1.3	1.5
ELLERSLIE A	320	0.15		48.0		48.0	33.3	14.7
WATTS 031-16W4								
LOWER MANNVILLE A	139	0.10		13.9		13.9	2.6	11.3
BANFF A	282	0.05		14.1		14.1	5.2	8.9
WAYNE-ROSEDALE 027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.1	2.2
VIKING M	107	0.10		10.6		10.6	3.8	6.8
UPPER MANNVILLE E	351	0.01		3.5		3.5	1.2	2.3
GLAUCONITIC F	159	0.01		1.6		1.6	.8	.8
GLAUCONITIC L	130	0.10		13.0		13.0	3.8	9.2
GLAUCONITIC M	435	0.01		4.4		4.4	1.7	2.7
GLAUCONITIC N	213	0.01		2.1		2.1	1.2	.9
OSTRACOD D	78.3	0.10		7.8		7.8	3.1	4.7
OSTRACOD J	69.6	0.10		7.0		7.0	1.3	5.7
BASAL QUARTZ A	159	<0.01		.1		.1	.1	
BASAL QUARTZ B TOTAL	9 810			801	251	1 050	412.4	637.6
PRIMARY AREA	6 230	0.10		623		623		
WATER FLOOD AREA	3 580	0.05	0.07	178	251	429		
BASAL QUARTZ E	3 380	0.03		101		101	50.4	50.6
BASAL QUARTZ F	95.3	0.10		9.5		9.5	9.1	.4
BASAL QUARTZ G	77.5	<0.01		.1		.1	.1	
BASAL QUARTZ H	157	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149	0.04		6.0		6.0	5.0	1.0
BASAL QUARTZ U	532	<0.01		.2		.2	.2	
BASAL QUARTZ AA	498	0.10		49.8		49.8	1.0	48.8
BASAL QUARTZ BB	357	<0.01		.3		.3	.3	
BASAL QUARTZ DD	549	0.01		5.5		5.5	1.8	3.7
BASAL QUARTZ EE	205	<0.01		.1		.1		.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
39	15.88	0.100	0.23	0.85	59	855	67	14 040	1 473.1	1973	79 12 - GPP	3
29	21.46	0.072	0.18	0.85	57	855	69	12 580	1 481.3	1973	78 03 - SUSP 78 02	4
13	22.70	0.050	0.18	0.80	89	839	60	15 670	1 574.0	1974	74 12 - GPP	5
32	19.51	0.063	0.20	0.80	76	829	70	15 220	1 539.8	1969	84 12	6
												7
12	54.25	0.090	0.20	0.84	66	849	72	15 060	1 490.5	1977	83 12 - GPP	8
8	22.60	0.060	0.30	0.86	35	850	68	6 853	1 459.0	1980	82 12 - SUSP 81 02	9
16	42.00	0.072	0.12	0.83	35	852	77	15 240	1 496.0	1981	81 09	10
64	22.50	0.060	0.20	0.86	46	835	64	9 278	1 584.8	1981	82 05	11
64	19.50	0.055	0.30	0.80	77	854	55	14 163	1 541.3	1982	82 06 - SUSP 82 07	12
												13
64	27.00	0.110	0.20	0.86	34	850	65	14 724	1 555.5	1982	82 06	14
64	18.00	0.050	0.26	0.83	49	872	70	9 101	1 454.5	1983	83 07 - SUSP 84 03	15
4	46.48	0.080	0.13	0.85	58	860	71	7 346	1 502.5	1982	84 06	16
												17
												18
64	15.39	0.066	0.40	0.62	134	817	65	15 170	2 232.7	1980	81 06	19
64	17.80	0.077	0.22	0.62	180	780	65	14 500	2 149.6	1982	83 03 - PREV CONF	20
64	15.90	0.090	0.30	0.62		823	65	15 170	2 154.8	1980	80 11	21
												22
												23
320	11.29	0.110	0.35	0.79	98	803	40	10 200	1 294.3	1982	84 11	24
												25
												26
858	5.77	0.145	0.35	0.79	76	834	57	10 240	1 539.2	1967	81 12 - GPP - MRL	27
128	4.64	0.180	0.38	0.79	88	831	40	7 832	1 523.7	1981	83 08 - GPP	28
												29
												30
64	3.00	0.250	0.35	0.90	28	865	31	5 270	723.0	1981	83 12 - GPP	31
147	2.08	0.160	0.25	0.87	51	898	52	11 050	1 475.3	1965	83 12 - GPP	32
												33
												34
64	2.00	0.210	0.40	0.86	56	850	32	9 146	1 217.5	1982	82 08	35
128	2.65	0.140	0.30	0.85	61	849	42	8 000	1 255.9	1970	83 12	36
												37
												38
65	.91	0.220	0.35	0.87	54	811	39	6 571	1 042.4	1973	76 05 - GPP	39
65	1.22	0.240	0.35	0.87	54	811	32	7 920	1 053.7	1977	78 12	40
32	14.00	0.140	0.30	0.80	88	857	40	9 770	1 437.3	1979	83 12 - GPP	41
65	1.86	0.200	0.20	0.82	80	829	43	9 690	1 351.0	1961	82 12 - GPP	42
												43
64	3.10	0.140	0.46	0.87	53	876	46	9 970	1 338.5	1973	79 01 - GPP	44
64	5.50	0.230	0.39	0.88	47	892	46	9 570	1 339.0	1978	80 12 - GPP	45
32	6.10	0.180	0.25	0.81	64	856	52	9 437	1 224.8	1958	83 12 - GPP	46
64	1.50	0.170	0.40	0.80	98	869	39	14 650	1 446.3	1980	81 07 - GPP	47
64	1.00	0.200	0.32	0.80	62	870	43	8 973	1 414.5	1980	84 05	48
												49
36	7.32	0.165	0.55	0.82	71	815	41	9 660	1 363.4	1968	74 12 - SUSP 69 12	50
1 040					71	870	44	10 340	1 369.2	1954	82 12 - GPP	51
752	12.96	0.150	0.48	0.82								52
288	16.75	0.174	0.48	0.82								53
512	9.56	0.147	0.46	0.87	48	878	47	10 270	1 352.7	1962	83 12 - GPP	54
												55
110	.91	0.170	0.30	0.80	74	870	48	9 650	1 371.9	1957	73 12 - GPP	56
16	10.70	0.123	0.55	0.81	71	870	43	9 790	1 374.3	1962	63 02 - ABAND 63 08	57
16	9.14	0.180	0.27	0.81	74	870	48	10 070	1 440.8	1961	71 05 - ABAND 83 02	58
65	2.44	0.226	0.49	0.82	53	860	38	8 270	1 445.4	1959	78 10 - GPP	59
65	6.71	0.220	0.32	0.82	74	865	49	9 900	1 364.6	1972	73 02 - ABAND 72 06	60
												61
64	7.50	0.190	0.35	0.84	68	857	38	9 290	1 414.8	1979	84 12	62
64	8.20	0.160	0.50	0.85	68	857	40	9 700	1 455.9	1979	82 12 - ABAND 81 05	63
64	11.00	0.150	0.35	0.80	67	857	41	8 586	1 360.9	1979	83 12 - GPP	64
64	4.39	0.140	0.35	0.80	88	857	41	10 515	1 494.0	1979	83 12 - SUSP 81 09	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
WAYNE-ROSEDALE 027-20W4 (CONTINUED)								
BASAL QUARTZ FF	156	0.10		15.6		15.6	.1	15.5
BASAL QUARTZ GG	2 120	0.12		254		254	42.5	211.5
BASAL QUARTZ NN	291	0.10		29.1		29.1	.1	29.0
BASAL QUARTZ OO	273	0.10		27.3		27.3	5.3	22.0
BASAL QUARTZ PP	441	0.10		44.1		44.1	3.2	40.9
BASAL QUARTZ QQ	184	0.10		18.4		18.4	2.4	16.0
BASAL QUARTZ RR	150	0.10		15.0		15.0	3.0	12.0
BASAL QUARTZ VV	424	0.10		42.4		42.4	.9	41.5
BANFF C	277	0.10		27.7		27.7	15.4	12.3
WEMBLEY 073-08W6								
CHARLIE LAKE A	54.1	0.10		5.4		5.4	3.9	1.5
HALFWAY C	226	0.15		33.9		33.9	5.5	28.4
HALFWAY D	445	0.15		66.8		66.8	8.9	57.9
HALFWAY E	492	0.15		73.8		73.8	9.2	64.6
HALFWAY F	38.8	0.15		5.8		5.8	2.5	3.3
HALFWAY H	74.0	0.15		11.1		11.1	2.6	8.5
HALFWAY B	5 730	0.15		860		860	342.7	517.3
DOIG A	597	0.15		90.0		90.0	15.9	74.1
DOIG B	282	0.15		42.3		42.3	6.8	35.5
WERNER 034-12W4								
GLAUCONITIC A	247	0.10		24.7		24.7	.5	24.2
WEST DRUMHELLER 030-21W4								
D-2 A	7 170	0.65		4 660		4 660	4 257.2	402.8
IRETON A	326	0.15		48.9		48.9	40.8	8.1
D-3 A	1 250	0.60		750		750	724.8	25.2
WESTEROSE 046-28W4								
D-3	31 000	0.71		22 000		22 000	17 279.9	4 720.1
WESTEROSE SOUTH 043-02W5								
BASAL QUARTZ A	256	<0.01		.1		.1	.1	
BANFF A	144	<0.01		.3		.3	.3	
WESTPEM 049-13W5								
OSTRACOD A	249	0.10		24.9		24.9	2.7	22.2
OSTRACOD B	78.0	0.10		7.8		7.8		7.8
NISKU A	2 650	0.40	0.35	1 060	928	1 990	632.1	1 357.9
SOLVENT FLOOD								
NISKU C	4 000	0.40	0.25	1 600	1 000	2 600	771.2	1 828.8
SOLVENT FLOOD								
NISKU D	2 200	0.40	0.30	880	660	1 540	516.7	1 023.3
SOLVENT FLOOD								
WESTWARD HO 033-04W5								
VIKING A	73.9	0.15		11.1		11.1	7.6	3.5
VIKING B	164	0.01		1.6		1.6	.5	1.1
RUNDLE A TOTAL	6 870			1 100	661	1 760	1 618.8	141.2
PRIMARY AREA	2 150	0.16		344		344		
WATER FLOOD AREA	4 720	0.16	0.14	755	661	1 420		
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		.5		.5	.5	
WHITEMUD 051-25W4								
BLAIRMORE	238	<0.18		42.2		42.2	42.2	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
64	3.90	0.120	0.35	0.80	88	857	44	10 091	1 443.3	1979	80 08 - SUSP 83 12	3
712	4.90	0.146	0.48	0.80	63	862	38	9 649	1 359.7	1980	83 06	4
64	6.00	0.170	0.45	0.81	58	883	39	9 636	1 390.3	1981	82 11 - SUSP 84 02	5
64	9.00	0.130	0.55	0.81	72	863	38	9 620	1 263.0	1981	82 12	6
												7
64	12.00	0.140	0.50	0.82	70	872	47	9 591	1 288.5	1981	83 01	8
64	5.00	0.140	0.50	0.82	70	882	47	9 781	1 254.2	1980	83 01	9
64	5.30	0.120	0.55	0.82	74	819	39	8 723	1 229.2	1982	83 01	10
64	9.40	0.160	0.45	0.80	60	876	52	9 275	1 336.3	1980	84 05	11
192	2.80	0.130	0.51	0.81	59	877	36	9 856	1 385.6	1980	83 01	12
												13
												14
64	1.20	0.110	0.20	0.80	75	832	59	8 500	2 077.4	1981	82 11	15
64	7.56	0.120	0.40	0.65	183	806	23	21 443	2 134.8	1982	83 11	16
64	12.66	0.119	0.34	0.70	183	818	83	21 443	2 129.6	1983	84 03 - PREV CONF	17
64	14.66	0.117	0.36	0.70	183	820	83	21 443	2 145.1	1983	84 03 - PREV CONF	18
												19
64	2.39	0.075	0.48	0.65	183	828	83	21 443	2 161.0	1983	84 08	20
64	2.05	0.124	0.30	0.65	183	806	83	21 443	2 103.5	1983	84 11	21
2 031	6.28	0.096	0.28	0.65	183	829	83	22 306	2 103.8	1978	81 12	22
64	25.40	0.075	0.30	0.70	120	838	76	14 300	2 163.2	1982	82 12	23
64	10.70	0.074	0.17	0.67	162	802	76	21 795	2 157.7	1983	84 03 - PREV CONF	24
												25
												26
64	3.50	0.200	0.40	0.92	31	867	34	10 985	1 067.3	1981	82 06	27
												28
												29
1 730	14.00	0.050	0.20	0.74	120	815	56	13 790	1 674.3	1952	83 12 - GPP	30
445	3.05	0.040	0.25	0.80	78	811	64	13 992	1 712.4	1967	80 04 - GPP	31
272	7.50	0.087	0.13	0.81	69	839	57	14 070	1 723.3	1954	83 12 - GPP - MRL	32
												33
												34
652	72.20	0.105	0.07	0.67	166	820	82	17 930	2 204.6	1952	83 12	35
												36
												37
64	5.50	0.130	0.30	0.80	86	882	60	12 635	1 889.8	1980	83 12 - SUSP 81 08	38
64	2.80	0.130	0.24	0.80	90	910	49	12 886	1 771.6	1980	84 12 - SUSP 82 12	39
												40
												41
64	4.00	0.150	0.10	0.72	125	811	88	17 037	2 462.0	1981	82 11	42
64	2.40	0.083	0.15	0.72	110	778	80	14 500	2 432.7	1983	84 09	43
62	76.48	0.090	0.15	0.64	208	815	100	38 230	2 929.4	1977	82 08	44
												45
												46
60	90.35	0.110	0.14	0.78	130	824	104	31 915	3 033.0	1979	84 07	47
												48
74	59.30	0.100	0.09	0.55	328	798	104	40 962	3 139.3	1979	82 08	49
												50
												51
												52
64	3.70	0.080	0.35	0.60	213	844	85	20 100	2 457.3	1964	82 12 - GPP	53
64	6.10	0.100	0.30	0.60	210	844	66	20 700	2 417.0	1962	83 12 - GPP	54
2 169					152	844	89	23 580	2 698.7	1955	78 12 - GPP	55
710	7.47	0.074	0.24	0.72								56
												57
1 459	7.99	0.074	0.24	0.72								58
												59
												60
65	.61	0.170	0.40	0.80	82	844	66	8 290	1 252.4	1968	71 05 - ABAND 70 05	61
												62
												63
81	3.47	0.150	0.30	0.81	77	839	53	9 030	1 244.2	1949	74 12 - ABAND 70 09	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
HILLESDEN GREEN 042-07W5								
BELLY RIVER A WATER FLOOD	1 220	0.06	0.11	73.1	134	207	92.7	114.3
BELLY RIVER B	1 910	0.02		38.1		38.1	34.7	3.4
BELLY RIVER C	42.4	<0.09		3.7		3.7	3.7	
BELLY RIVER H	260	0.10		26.0		26.0	13.0	13.0
BELLY RIVER J	159	0.05		7.9		7.9	5.8	2.1
BELLY RIVER L	307	0.03		9.2		9.2	7.9	1.3
BELLY RIVER M	351	<0.01		.1		.1		.1
BELLY RIVER N	186	<0.01		.1		.1	.1	
BELLY RIVER O	325	0.10		32.5		32.5	1.1	31.4
BELLY RIVER Q	359	0.10		35.9		35.9	.4	35.5
BELLY RIVER R	256	0.10		25.6		25.6	1.2	24.4
BELLY RIVER S	314	0.10		31.4		31.4	.1	31.3
BELLY RIVER T	165	0.10		16.5		16.5	.8	15.7
BELLY RIVER V	364	0.10		36.4		36.4		36.4
BELLY RIVER W	174	0.10		17.4		17.4		17.4
BELLY RIVER X	272	0.10		27.2		27.2		27.2
BELLY RIVER Y	171	0.10		17.1		17.1		17.1
BELLY RIVER Z	124	0.10		12.4		12.4		12.4
CARDIUM A TOTAL	120 000			10 100	17 300	27 400	15 470.8	11 929.2
PRIMARY AREA	16 000	0.08		1 280		1 280		
SOLVENT FLOOD AREA	35 600	0.07	0.13	2 480	4 630	7 110		
WATER FLOOD AREA	68 500	0.09	0.18	6 320	12 700	19 000		
CARDIUM D	122	0.07		8.6		8.6	.1	8.5
CARDIUM E	409	0.07		28.6		28.6	16.7	11.9
CARDIUM F	221	0.02		4.4		4.4	2.4	2.0
CARDIUM G	88.2	0.05		4.4		4.4	1.5	2.9
CARDIUM H	170	0.08		13.6		13.6	8.5	5.1
CARDIUM I	190	0.10		19.0		19.0	3.8	15.2
CARDIUM J	243	0.10		24.3		24.3	1.2	23.1
CARDIUM K	86.9	0.10		8.7		8.7	1.0	7.7
SECOND WHITE SPECKS A	35.0	0.18		6.3		6.3	4.9	1.4
SECOND WHITE SPECKS B	730	0.02		14.6		14.6	5.1	9.5
SECOND WHITE SPECKS C	108	0.10		10.8		10.8	5.5	5.3
SECOND WHITE SPECKS D	729	0.10		72.9		72.9	21.8	51.1
VIKING A	4 740	0.10		474		474	358.6	115.4
VIKING B	381	0.25		95.3		95.3	63.5	31.8
VIKING F	69.1	0.10		6.9		6.9	.7	6.2
VIKING G	56.6	0.15		8.5		8.5	8.0	.5
VIKING H	984	0.10		98.4		98.4	8.1	90.3
VIKING I	31.1	0.15		4.7		4.7	2.6	2.1
VIKING J	139	0.15		20.9		20.9	2.2	18.7
VIKING L	28.7	0.15		4.3		4.3		4.3
GLAUCONITIC A TOTAL	I 560			236	70.5	306	221.2	84.8
PRIMARY AREA	153	0.15		23.0		23.0		
WATER FLOOD AREA	I 410	0.15	0.05	213	70.5	283		
ROCK CREEK B	54.0	0.10		5.4		5.4	.2	5.2
ROCK CREEK C	135	0.10		13.5		13.5		13.5

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
												3
324	4.24	0.140	0.28	0.88	62	815	53	9 070	1 538.3	1961	76 03 - GPP	4
												5
453	4.82	0.137	0.23	0.83	62	815	54	9 140	1 568.8	1956	75 12 - GPP	6
30	1.22	0.200	0.30	0.83	60	815	53	8 960	1 531.0	1961	73 02 - ABAND 64 10	7
												8
64	6.85	0.130	0.45	0.83	62	820	47	9 220	1 597.2	1967	84 05	9
195	.91	0.154	0.30	0.83	59	815	52	9 530	1 525.8	1972	75 05	10
65	5.18	0.153	0.28	0.83	67	815	53	8 960	1 486.5	1963	80 12 - GPP	11
64	6.30	0.150	0.30	0.83	58	815	52	9 530	1 390.0	1978	82 12 - SUSP 80 01	12
64	4.50	0.130	0.40	0.83	65	825	56	9 000	1 410.8	1981	83 12 - SUSP 82 06	13
												14
64	5.90	0.140	0.26	0.83	66	831	42	8 636	1 461.2	1982	82 05 - GPP	15
64	5.30	0.150	0.15	0.83	65	773	55	6 250	1 532.1	1982	82 07	16
64	7.30	0.120	0.45	0.83	61	835	55	8 214	1 402.1	1982	83 05 - GPP	17
64	6.50	0.130	0.30	0.83	61	835	55	8 992	1 619.8	1978	84 03 - SUSP 84 02	18
64	3.70	0.120	0.30	0.83	61	835	55	8 992	1 578.7	1983	84 03 - PREV CONF	19
												20
64	7.00	0.140	0.30	0.83	61	834	55	89 910	1 564.5	1979	84 05 - PREV CONF	21
64	3.60	0.130	0.30	0.83	61	835	55	8 991	1 519.2	1964	84 06	22
64	6.10	0.120	0.30	0.83	61	835	55	8 991	1 496.6	1964	84 06	23
64	4.60	0.140	0.50	0.83	61	835	55	8 992	1 574.0	1962	84 09	24
64	2.00	0.180	0.35	0.83	70	844	40	10 000	1 509.0	1983	84 09 - PREV CONF	25
												26
52 887					176	820	60	21 200	1 897.4	1954	84 12 - GPP	27
9 660	2.53	0.114	0.13	0.66								28
10 313	4.83	0.111	0.13	0.74								29
32 914	2.29	0.153	0.10	0.66								30
65	4.27	0.080	0.15	0.65	177	825	60	20 240	1 824.4	1976	78 09	31
												32
192	4.26	0.100	0.23	0.65	176	830	55	20 340	1 914.1	1978	83 09	33
64	4.81	0.120	0.12	0.68	215	778	71	20 264	1 806.8	1979	84 12	34
64	2.90	0.100	0.34	0.72	49	844	60	12 444	1 900.5	1979	84 12 - GPP	35
64	2.78	0.150	0.15	0.75				20 796	1 914.6	1975	78 12	36
64	3.00	0.150	0.13	0.76	100	832	60	19 651	1 985.3	1979	79 12	37
												38
64	4.40	0.130	0.15	0.78	97	830	68	12 229	1 911.5	1983	83 05 - PREV CONF	39
64	2.00	0.100	0.13	0.78	97	830	68	12 229	2 012.0	1979	83 09	40
64	1.22	0.080	0.20	0.70	149	801	71	21 520	2 051.0	1975	83 07 - GPP	41
												42
64	10.80	0.220	0.25	0.64	187	818	40	22 893	2 082.0	1979	82 10 - GPP	43
												44
												45
64	3.00	0.100	0.20	0.70	149	810	74	23 457	2 133.5	1980	81 06 - GPP	46
												47
128	14.10	0.090	0.30	0.64	186	833	69	19 098	2 113.8	1980	83 05	48
												49
5 952	2.39	0.070	0.30	0.68	154	834	74	25 168	2 182.8	1956	82 08	50
												51
522	1.98	0.090	0.35	0.63	177	815	79	22 840	2 166.2	1967	75 12 - GPP	52
64	4.50	0.080	0.50	0.60	217	824	81	25 014	2 322.1	1982	83 04 - SUSP 83 02	53
64	2.40	0.100	0.45	0.67	166	840	81	26 409	2 226.6	1980	81 01	54
256	4.90	0.150	0.17	0.63	180	718	86	23 000	2 277.6	1983	84 08	55
64	1.62	0.058	0.24	0.68	210	820	70	25 000	2 259.2	1983	83 11 - PREV CONF	56
												57
64	4.72	0.090	0.25	0.68	210	820	210	22 768	2 262.4	1982	84 02	58
64	1.10	0.100	0.40	0.68	170	842	57	20 100	2 126.2	1983	84 09 - PREV CONF	59
831					106	876	76	25 890	2 286.9	1963	81 11 - GPP	60
64	3.96	0.112	0.22	0.69								61
767	3.20	0.119	0.30	0.69								62
												63
64	3.15	0.054	0.62	0.80	83	896	70	14 313	2 366.4	1982	83 10 - PREV CONF	64
64	5.00	0.090	0.30	0.67	145	835	86	19 500	2 508.6	1983	84 09 - PREV CONF	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
WILLESDEN GREEN 042-07W5 (CONTINUED)								
ROCK CREEK D	118	0.10		11.8		11.8		11.8
WILLOW 028-17W4								
VIKING B	50.0	0.10		5.0		5.0	.3	4.7
WILSON CREEK 043-04W5								
BELLY RIVER A	335	0.10		33.5		33.5		33.5
CARDIUM A	117	0.10		11.7		11.7	.4	11.3
WIMBORNE 034-26W4								
D-2 A	683	<0.11		69.8		69.8	69.8	
D-2 B	329	0.06		19.7		19.7	14.3	5.4
D-3 A	15 000	0.20		3 000		3 000	2 318.5	681.5
WINDFALL 060-15W5								
BLUESKY A	297	0.10		29.7		29.7	6.1	23.6
GETHING D	96.8	0.10		9.7		9.7	1.1	8.6
RUNDLE A	1 600	0.20		320		320	280.5	39.5
D-3 A	13 400	0.22		2 950		2 950	2 042.4	907.6
D-3 B TOTAL	1 310			131	32.4	163	129.0	34.0
PRIMARY AREA	500	0.10		50.0		50.0		
GAS FLOOD AREA	810	0.10	0.04	81.0	32.4	113		
D-3 C	795	0.10		79.5		79.5	21.3	58.2
WINTERING HILLS 025-17W4								
VIKING A	1 400	0.42		588		588	406.9	181.1
VIKING P	448	0.05		22.4		22.4	7.3	15.1
VIKING Q	41.3	<0.01		.1		.1	.1	
UPPER MANNVILLE I	1 460	0.10		146		146	2.4	143.6
LOWER MANNVILLE A	2 210	0.03		66.3		66.3	42.0	24.3
LOWER MANNVILLE L	148	0.05		7.4		7.4	.8	6.6
LOWER MANNVILLE Q	210	<0.01		.7		.7	.7	
LOWER MANNVILLE R	518	<0.01		.1		.1	.1	
LOWER MANNVILLE T	660	0.05		33.0		33.0	23.3	9.7
LOWER MANNVILLE V	607	0.10		60.7		60.7	1.2	59.5
LOWER MANNVILLE W	445	0.10		44.5		44.5	4.5	40.0
ELLERSLIE A	458	<0.01		1.4		1.4	.8	.6
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	80.2	<0.01		.5		.5	.5	
BASAL QUARTZ B	87.6	<0.01		.3		.3	.3	
D-2 A	613	<0.17		103		103	103.5	
D-3 A SOLVENT FLOOD	62 000	0.66	0.29	40 900	18 100	59 000	46 771.2	12 228.8
D-3 B	160	<0.07		10.8		10.8	10.8	
WOKING 075-04W6								
HALFWAY A	255	0.10		25.5		25.5	3.6	21.9
WOOD RIVER 043-23W4								
LOWER MANNVILLE F	33.4	0.05		1.7		1.7		1.7
D-2 A	1 250	0.15		190		190	92.2	97.8
D-2 B	1 700	0.25		425		425	21.3	403.7
D-2 C GAS FLOOD	1 150	0.35	0.10	403	115	518	284.0	234.0
D-2 D	630	0.25		158		158	17.3	140.7
D-3 A	294	<0.10		28.6		28.6	28.6	
D-3 B	373	0.30		112		112	11.4	100.6

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA ha	AVERAGE PAY THICKNESS m	POROSITY	WATER SATURATION fraction	SHRINKAGE	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP. °C	INITIAL PRESSURE kPa	MEAN FORMATIONAL DEPTH m	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
64	3.00	0.093	0.15	0.78	79	891	70	14 686	2 487.0	1982	83 10 - SUSP 83 07	3
64	1.00	0.150	0.40	0.87	50	811	39	5 400	1 109.8	1982	83 05	6
64	6.00	0.150	0.30	0.83	62	833	68	8 900	1 268.8	1979	84 12	9
64	3.50	0.090	0.30	0.83	65	805	58	9 115	1 615.7	1982	83 06 - PREV CONF	10
268	18.99	0.029	0.30	0.66	160	834	78	19 890	2 253.1	1961	77 12 - SUSP 77 06	13
194	7.92	0.042	0.24	0.67	210	829	74	20 340	2 224.7	1964	81 12 - SUSP 84 03	14
8 066	4.57	0.068	0.12	0.68	206	820	79	21 170	2 282.0	1956	84 12 - GPP	15
64	6.78	0.120	0.25	0.76	102	849	63	20 162	2 032.2	1976	76 12	18
64	3.00	0.120	0.40	0.70	156	824	82	15 315	2 098.7	1979	81 11 - SUSP 84 09	19
813	3.35	0.102	0.20	0.72	118	834	82	17 410	2 083.6	1957	81 12 - GPP	20
5 859	8.84	0.060	0.12	0.49	336	811	104	25 950	2 627.3	1957	83 12 - GPP	21
424					243	825	103	25 230	2 619.1	1972	82 12 - GPP	23
168	12.50	0.050	0.12	0.54								24
256	13.28	0.050	0.12	0.54								25
219	12.00	0.063	0.20	0.60	220	811	103	25 550	2 746.6	1979	82 09	26
309	4.02	0.231	0.44	0.87	56	825	27	7 860	887.6	1958	64 12	29
64	6.10	0.220	0.40	0.87	57	825	29	7 830	869.3	1978	82 12	30
64	.90	0.150	0.45	0.87	57	835	29	7 540	876.5	1979	83 12 - SUSP 79 06	31
384	5.20	0.140	0.37	0.83	64	866	55	8 900	1 222.0	1983	84 07	32
356	6.58	0.179	0.35	0.81	45	887	48	9 760	1 288.7	1965	83 12 - GPP	34
64	1.54	0.210	0.15	0.84	66	860	46	9 680	1 255.2	1973	83 12	35
64	2.90	0.205	0.32	0.81	58	860	36	9 120	1 330.3	1979	83 12 - SUSP 81 09	36
64	10.00	0.150	0.35	0.83	66	857	37	11 067	1 322.3	1979	82 12 - SUSP 81 09	37
64	9.80	0.200	0.35	0.81	45	887	46	9 639	1 271.3	1965	82 07 - GPP	38
64	6.50	0.250	0.28	0.81	64	894	38	10 090	1 277.3	1983	84 03 - PREV CONF	40
320	1.53	0.180	0.39	0.83	90	866	39	9 700	1 256.6	1983	84 06	41
64	5.74	0.220	0.30	0.81	45	887	46	9 760	1 273.8	1965	83 12 - SUSP 83 03	42
32	2.13	0.171	0.20	0.85	50	870	49	10 790	1 465.8	1958	61 01 - ABAND 60 04	45
32	2.44	0.165	0.20	0.84	53	870	49	11 030	1 483.5	1953	59 05 - ABAND 60 05	46
494	5.24	0.041	0.23	0.75	106	839	71	13 790	1 756.6	1958	82 12 - SUSP 79 12	47
1 075	86.13	0.096	0.07	0.75	109	834	72	15 650	1 969.0	1951	83 11	48
54	4.45	0.095	0.07	0.75	109	834	77	15 200	2 108.0	1964	72 05 - ABAND 69 12	50
128	2.62	0.170	0.42	0.77	150	865	65	13 000	1 596.9	1982	84 06	53
16	2.00	0.200	0.45	0.95	16	967	41	4 600	1 588.0	1982	83 07 - SUSP 83 01	56
468	3.93	0.100	0.14	0.79	80	887	60	16 410	1 694.1	1964	84 10	57
128	27.67	0.080	0.20	0.75	80	887	60	15 820	1 705.7	1963	84 12	58
187	12.00	0.078	0.10	0.73	133	839	62	15 840	1 768.4	1972	82 12	59
31	38.40	0.080	0.17	0.79	98	887	60	15 928	1 765.9	1983	84 12 - PREV CONF	61
65	9.14	0.073	0.15	0.80	142	865	61	16 030	1 695.0	1957	73 02 - ABAND 76 05	62
64	10.70	0.080	0.15	0.80	77	868	61	13 004	1 780.7	1981	82 09	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2									
3	WORSLEY 087-07W6								
4	TRIASSIC A	826	0.35		289		289	124.4	164.6
5	TRIASSIC B	622	0.10		62.2		62.2		62.2
6	D-3 F	188	<0.02		3.1		3.1	3.1	
7									
8	YEKAU LAKE 052-26W4								
9	LOWER MANNVILLE A	431	<0.01		3.4		3.4	3.4	
10	D-2 A	95.7	<0.01		.1		.1	.1	
11	D-3 A	1 070	0.65		696		696	607.0	89.0
12	D-3 B	39.7	<0.01		.3		.3	.3	
13									
14	YOUNGSTOWN 031-09W4								
15	UPPER MANNVILLE A	90.6	<0.01		.1		.1		.1
16	ARCS	1 870	<0.36		656		656	275.8	380.2
17									
18	ZAMA 117-04W6								
19	SULPHUR POINT A	203	<0.02		2.3		2.3	2.3	
20	SULPHUR POINT B	350	<0.01		.1		.1	.1	
21	SULPHUR POINT C	258	0.20		51.6		51.6	3.2	48.4
22	SULPHUR POINT D	319	<0.01		2.6		2.6	2.6	
23									
24	SULPHUR POINT F	953	0.15		143		143	63.9	79.1
25	MUSKEG B	120	0.20		24.0		24.0	19.8	4.2
26	MUSKEG C	207	0.16		33.1		33.1	31.0	2.1
27	MUSKEG F	254	<0.10		23.3		23.3	23.3	
28	MUSKEG G	238	<0.08		18.4		18.4	18.4	
29									
30	MUSKEG H	191	0.30		57.3		57.3	43.4	13.9
31	MUSKEG J	350	0.20		70.0		70.0	28.9	41.1
32	MUSKEG K	120	<0.01		.3		.3	.3	
33	MUSKEG L WATER FLOOD	365	0.20	0.07	73.0	25.6	98.6	65.7	32.9
34	MUSKEG N	98.5	<0.17		16.0		16.0	16.0	
35									
36	MUSKEG O	286	0.20		57.2		57.2	43.9	13.3
37	MUSKEG P	127	0.20		25.4		25.4	14.1	11.3
38	MUSKEG R	159	0.35		55.6		55.6	23.7	31.9
39	MUSKEG S	79.5	0.20		15.9		15.9	12.5	3.4
40	MUSKEG T	415	0.25		104		104	44.6	59.4
41									
42	MUSKEG U	200	0.30		60.0		60.0	29.0	31.0
43	MUSKEG V	400	0.40		160		160	72.9	87.1
44	MUSKEG W	159	<0.07		10.8		10.8	10.8	
45	MUSKEG X	79.5	<0.05		3.8		3.8	3.8	
46	MUSKEG Y WATER FLOOD	350	0.20	0.10	70.0	35.0	105	58.7	46.3
47									
48	MUSKEG AA	79.5	<0.14		10.6		10.6	10.6	
49	MUSKEG BB	254	<0.08		18.5		18.5	18.5	
50	MUSKEG DD	100	0.25		25.0		25.0	15.2	9.8
51	MUSKEG EE	114	0.35		39.9		39.9	32.8	7.1
52	MUSKEG GG	365	0.35		128		128	63.7	64.3
53									
54	MUSKEG HH	234	<0.02		3.2		3.2	3.2	
55	MUSKEG II	120	0.20		24.0		24.0	16.8	7.2
56	MUSKEG KK	156	0.10		15.6		15.6	2.5	13.1
57	MUSKEG LL	159	0.25		40.0		40.0	29.8	10.2
58	MUSKEG MM	49.1	<0.10		4.8		4.8	4.8	
59									
60	MUSKEG NN	351	0.25		87.9		87.9	43.4	44.5
61	MUSKEG OO	324	<0.01		.1		.1	.1	
62	MUSKEG PP	50.0	0.20		10.0		10.0	5.1	4.9
63	MUSKEG QQ	538	0.20		108		108	3.5	104.5
64	MUSKEG RR	199	0.30		59.7		59.7	7.9	51.8

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
323	2.07	0.190	0.26	0.88	57	844	43	8 480	1 048.8	1961	78 03	4
128	3.50	0.200	0.22	0.89	39	844	42	6 496	1 183.8	1978	84 12	5
204	4.57	0.070	0.55	0.64	106	825	81	22 000	2 192.7	1961	73 02 - SUSP 72 09	6
65	7.01	0.150	0.22	0.81	83	855	54	9 480	1 257.6	1971	84 12 - SUSP 80 02	9
65	5.79	0.042	0.24	0.80	83	820	60	11 380	1 464.6	1964	64 12 - ABAND 64 07	10
250	6.58	0.097	0.15	0.79	87	820	63	11 450	1 557.5	1955	67 02	11
16	7.32	0.060	0.30	0.80	85	849	61	11 270	1 552.7	1967	68 12 - ABAND 68 04	12
64	1.10	0.220	0.35	0.90	44	884	34	9 157	1 053.8	1979	83 12 - SUSP 81 12	15
241	10.40	0.103	0.22	0.93	18	860	42	8 760	1 132.0	1956	79 12 - GPP	16
65	5.79	0.077	0.16	0.84	64	860	66	13 100	1 370.1	1967	73 02 - SUSP 72 01	19
65	15.24	0.059	0.30	0.86	52	865	64	12 760	1 484.7	1967	69 05 - SUSP 68 01	20
19	25.91	0.070	0.13	0.86	73	839	65	12 930	1 339.9	1967	84 06	21
65	9.75	0.079	0.20	0.80	64	860	64	13 100	1 332.3	1967	74 12 - SUSP 72 12	22
138	15.95	0.066	0.20	0.82	74	834	69	13 030	1 341.1	1967	75 12 - GPP	24
8	18.00	0.100	0.11	0.94	16	881	66	14 200	1 454.5	1967	78 12 - GPP	25
13	23.16	0.090	0.13	0.89	35	870	70	14 310	1 469.7	1967	83 12 - GPP	26
10	63.89	0.060	0.20	0.83	62	860	72	13 650	1 497.2	1967	79 01 - SUSP 78 11	27
30	19.48	0.060	0.17	0.81	74	860	73	13 800	1 557.2	1967	74 12 - SUSP 74 04	28
9	47.06	0.064	0.19	0.87	47	834	70	14 450	1 460.6	1967	83 12	30
27	36.60	0.050	0.20	0.88	33	881	72	14 000	1 452.4	1967	84 08	31
65	6.71	0.046	0.25	0.80	80	887	60	13 650	1 407.0	1967	71 01 - ABAND 82 09	32
12	63.22	0.070	0.18	0.83	59	844	77	15 000	1 513.0	1967	84 12 - GPP	33
5	55.47	0.046	0.14	0.89	37	881	71	14 000	1 508.2	1967	82 12 - SUSP 81 01	34
11	48.46	0.069	0.09	0.83	54	844	72	15 000	1 508.9	1967	73 12	36
11	28.01	0.056	0.21	0.94	16	892	66	14 070	1 467.8	1967	70 02 - GPP	37
11	39.50	0.055	0.15	0.76	96	834	79	15 860	1 575.3	1967	73 08 - SUSP 84 07	38
11	14.33	0.070	0.15	0.83	39	860	71	14 270	1 500.2	1967	68 11 - GPP	39
30	28.10	0.076	0.27	0.90	24	881	68	14 270	1 460.7	1967	84 09	40
5	61.00	0.080	0.15	0.85	48	887	66	14 690	1 479.9	1967	82 04	42
15	52.10	0.070	0.20	0.90	29	881	69	14 281	1 470.7	1967	82 10 - GPP	43
18	20.88	0.060	0.12	0.81	78	855	71	14 380	1 562.7	1967	73 10 - SUSP 73 08	44
12	10.36	0.090	0.14	0.82	67	855	71	14 100	1 530.1	1968	70 01 - SUSP 72 01	45
42	13.45	0.080	0.10	0.86	45	855	70	14 820	1 503.9	1968	82 07	46
9	24.14	0.058	0.25	0.85	57	876	71	13 340	1 490.6	1968	74 11 - SUSP 76 02	48
31	13.90	0.075	0.12	0.88	30	860	71	13 400	1 468.5	1968	75 12 - SUSP 74 01	49
7	25.00	0.073	0.13	0.90	25	876	67	13 870	1 446.0	1968	81 09	50
3	45.30	0.108	0.09	0.85	42	860	69	14 530	1 480.1	1969	81 12 - GPP	51
7	64.95	0.100	0.08	0.84	62	887	71	13 120	1 522.2	1969	73 08 - GPP	52
16	38.10	0.054	0.20	0.88	41	881	70	12 700	1 502.7	1968	73 02 - ABAND 82 09	54
9	24.50	0.079	0.15	0.81	74	860	72	13 870	1 507.2	1967	78 12 - SUSP 83 09	55
17	21.50	0.060	0.19	0.88	32	881	72	14 290	1 493.8	1969	83 12 - GPP	56
3	61.63	0.115	0.10	0.88	30	870	67	13 480	1 454.8	1969	84 12 - GPP	57
13	27.71	0.024	0.30	0.79	82	855	71	13 220	1 463.6	1971	74 12 - SUSP 74 04	58
25	24.99	0.077	0.11	0.83	56	855	67	14 940	1 516.7	1972	72 10 - GPP	60
65	24.08	0.036	0.32	0.85	44	844	36	17 960	1 553.9	1973	74 05 - ABAND 73 09	61
6	15.90	0.070	0.10	0.83	91	837	80	13 031	1 536.8	1982	84 12	62
64	19.30	0.055	0.10	0.88	37	839	74	5 500	1 509.2	1983	84 01 - PREV CONF	63
64	8.30	0.060	0.18	0.76	95	834	62	12 000	1 502.5	1983	84 01 - PREV CONF	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
ZAMA 117-04W6 (CONTINUED)								
MUSKEG SS	384	0.20		76.8		76.8	3.5	73.3
KEG RIVER A	874	0.39		342		342	231.2	110.8
KEG RIVER C	318	<0.15		45.0		45.0	45.0	
KEG RIVER D	477	<0.22		102		102	101.6	.4
KEG RIVER E	397	0.41		164		164	92.4	71.6
KEG RIVER F	874	0.25		219		219	168.0	51.0
KEG RIVER G	318	0.35		111		111	86.5	24.5
KEG RIVER H	1 750	0.30	0.07	525	122	647	325.3	321.7
WATER FLOOD								
KEG RIVER I	192	<0.01		.7		.7	.7	
KEG RIVER J	477	0.07		33.4		33.4	19.8	13.6
KEG RIVER K	127	0.30		38.1		38.1	33.3	4.8
KEG RIVER L	234	0.25		58.5		58.5	43.2	15.3
KEG RIVER M	674	<0.01		.5		.5	.5	
KEG RIVER N	2 220	0.06	0.04	133	89.0	222	188.7	33.3
WATER FLOOD								
KEG RIVER O	1 030	0.34	0.06	350	61.8	412	250.2	161.8
WATER FLOOD								
KEG RIVER P	286	0.35	0.15	100	42.9	143	84.8	58.2
WATER FLOOD								
KEG RIVER R	159	0.30		47.7		47.7	44.7	3.0
KEG RIVER S	874	0.14		122	ERSO	122	88.1	33.9
KEG RIVER T	143	0.30		42.9		42.9	38.7	4.2
KEG RIVER U	715	0.37		265		265	167.8	97.2
KEG RIVER V	320	<0.08		23.3		23.3	23.3	
KEG RIVER W	191	0.30		57.3		57.3	45.4	11.9
KEG RIVER X	1 100	<0.02		13.9		13.9	13.9	
KEG RIVER Y	261	<0.17	0.05	43.2	13.5	43.2	43.2	
WATER FLOOD								
KEG RIVER Z	477	0.37		176		176	167.4	8.6
KEG RIVER AA	191	0.30		57.3		57.3	51.8	5.5
KEG RIVER BB	238	0.35		83.3		83.3	53.0	30.3
KEG RIVER CC	795	0.25	0.12	199	95.4	294	261.2	32.8
WATER FLOOD								
KEG RIVER DD	324	0.10		32.4		32.4	23.9	8.5
KEG RIVER EE	1 030	0.25		258		258	202.7	55.3
KEG RIVER FF	1 270	0.30		381		381	301.6	79.4
KEG RIVER GG	953	0.08	0.03	76.2	28.6	105	97.7	7.3
WATER FLOOD								
KEG RIVER HH	127	0.25		31.8		31.8	29.8	2.0
KEG RIVER II	280	0.20		55.9		55.9	12.1	43.8
KEG RIVER JJ	110	<0.23		24.8		24.8	24.8	
KEG RIVER KK	176	0.25	0.15	44.0	26.4	70.4	47.7	22.7
WATER FLOOD								
KEG RIVER LL	150	0.35		52.5		52.5	42.3	10.2
KEG RIVER MM	345	0.20		69.0		69.0	2.6	66.4
KEG RIVER NN	636	0.25		159		159	114.3	44.7
KEG RIVER OO	148	0.32		47.4		47.4	47.4	
KEG RIVER PP	763	0.42		321		321	150.2	170.8
KEG RIVER QQ	350	0.30		105		105	76.3	28.7
KEG RIVER RR	795	0.08		63.6		63.6	48.1	15.5
KEG RIVER SS	222	0.35		77.9		77.9	59.6	18.3
KEG RIVER TT	397	0.30		119		119	97.4	21.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
64	12.00	0.070	0.14	0.83	54	844	79	8 000	1 564.0	1983	84 03 - PREV CONF	3
25	63.12	0.071	0.11	0.86	46	876	68	14 340	1 460.0	1967	70 06 - GPP	4
7	82.30	0.077	0.16	0.87	50	870	69	14 760	1 482.9	1967	83 12 - ABAND 80 04	5
8	114.30	0.074	0.16	0.83	60	849	72	15 130	1 563.3	1967	82 12 - SUSP 83 12	6
17	47.46	0.070	0.12	0.80	71	834	79	14 790	1 512.1	1967	70 06 - GPP	8
32	50.90	0.071	0.12	0.85	52	849	71	14 480	1 492.9	1967	82 12 - GPP	9
17	32.92	0.085	0.24	0.88	35	870	71	14 310	1 464.3	1967	75 06 - GPP	10
141	42.06	0.047	0.28	0.87	36	865	74	14 200	1 460.9	1967	74 09 - GPP	11
22	28.22	0.050	0.25	0.83	59	865	75	14 450	1 509.7	1967	68 05 - SUSP 68 08	14
7	87.54	0.100	0.10	0.83	66	865	72	13 952	1 549.6	1967	77 01	15
17	23.40	0.050	0.24	0.84	54	865	71	13 760	1 421.9	1967	81 12	16
20	33.53	0.050	0.20	0.86	46	865	72	13 800	1 444.8	1967	83 12 - GPP	17
130	25.60	0.036	0.32	0.83	48	865	72	14 070	1 488.0	1967	68 05 - SUSP 68 05	18
169	31.58	0.062	0.19	0.83	64	865	71	13 900	1 500.2	1967	76 12 - GPP	20
35	47.88	0.087	0.19	0.88	35	860	71	14 820	1 497.8	1967	82 12 - GPP	22
5	104.21	0.074	0.17	0.85	54	855	68	14 620	1 523.1	1967	75 12 - GPP	24
9	24.23	0.100	0.17	0.89	30	876	68	14 200	1 449.6	1967	69 09 - GPP	27
17	90.09	0.079	0.16	0.86	42	860	69	14 890	1 496.6	1967	81 01	28
14	24.84	0.055	0.15	0.87	38	870	70	14 690	1 464.6	1967	69 09 - GPP	29
25	58.00	0.074	0.18	0.81	65	834	77	15 030	1 527.0	1967	70 06 - GPP	30
64	30.70	0.030	0.35	0.83	63	865	71	13 790	1 440.2	1967	83 12 - SUSP 83 01	31
28	23.79	0.046	0.24	0.82	69	876	66	13 760	1 434.1	1967	83 12	33
65	34.14	0.080	0.25	0.83	33	881	69	13 690	1 433.2	1967	68 05 - SUSP 70 03	34
12	36.27	0.081	0.12	0.84	62	865	61	13 870	1 446.9	1967	75 08 - SUSP 84 06	35
11	74.83	0.085	0.12	0.81	73	855	72	14 520	1 512.4	1967	82 12 - GPP	37
7	53.07	0.070	0.18	0.86	43	870	68	14 030	1 495.7	1967	81 12	39
33	30.30	0.040	0.30	0.85	76	865	72	13 760	1 553.0	1967	83 12 - GPP	40
13	95.10	0.087	0.12	0.86	45	860	76	14 890	1 565.5	1967	82 12 - GPP	41
15	48.13	0.061	0.20	0.90	35	887	63	13 810	1 419.5	1967	79 05 - GPP	43
33	56.11	0.070	0.12	0.89	30	865	69	14 450	1 460.9	1967	82 12 - GPP	45
28	87.17	0.071	0.11	0.83	58	839	78	15 170	1 529.2	1967	77 10 - GPP	46
55	41.92	0.060	0.17	0.83	63	865	73	14 380	1 485.6	1967	83 12 - GPP	47
21	42.43	0.025	0.30	0.83	60	860	71	13 790	1 469.7	1967	77 12 - GPP	49
22	25.30	0.074	0.15	0.80	74	849	78	13 930	1 561.2	1967	74 12 - GPP	51
15	29.30	0.042	0.30	0.85	35	865	71	13 790	1 452.4	1967	78 12 - SUSP 78 12	52
4	86.87	0.065	0.11	0.87	45	865	71	14 510	1 538.3	1967	82 12 - GPP	53
7	25.32	0.100	0.08	0.92	26	881	64	14 030	1 428.0	1967	83 12 - GPP	55
64	6.10	0.140	0.11	0.71	156	825	81	14 910	1 524.0	1967	68 08 - SUSP 84 02	57
20	36.97	0.120	0.08	0.77	88	829	76	15 130	1 553.0	1967	82 12 - SUSP 83 08	58
16	46.33	0.043	0.25	0.62	215	829	76	15 130	1 555.1	1967	83 12 - SUSP 81 07	59
15	97.11	0.074	0.10	0.81	72	829	80	15 410	1 550.5	1967	70 06 - GPP	60
13	53.64	0.073	0.11	0.80	72	829	78	14 820	1 536.5	1967	75 12	61
57	31.39	0.063	0.15	0.83	64	865	71	13 510	1 451.5	1967	83 12 - GPP	63
3	113.60	0.080	0.11	0.85	53	855	72	14 940	1 528.6	1967	68 01 - GPP	64
23	42.98	0.055	0.14	0.85	49	865	73	13 790	1 479.2	1967	83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction		10^3m^3				
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	ZAMA 117-04W6 (CONTINUED)								
3	KEG RIVER UU	141	0.25		35.3		35.3	20.5	14.8
4	KEG RIVER VV	1 350	0.41		555		555	339.4	215.6
5	KEG RIVER WW	318	0.20		63.6		63.6	56.2	7.4
6	KEG RIVER XX	477	0.25		119		119	86.9	32.1
7									
8	KEG RIVER YY	663	0.25	0.05	165	33.2	198	55.3	142.7
9	WATER FLOOD								
10	KEG RIVER ZZ	238	<0.24		54.9		54.9	54.9	
11	KEG RIVER AAA	556	0.35		195		195	156.2	38.8
12	KEG RIVER BBB	207	0.34	0.12	70.2	24.8	95.0	63.7	31.3
13	WATER FLOOD								
14									
15	KEG RIVER CCC	477	<0.01		2.8		2.8	2.8	
16	KEG RIVER DDD	318	0.30		95.3		95.3	62.1	33.2
17	KEG RIVER EEE	318	0.12		38.1		38.1	30.7	7.4
18	KEG RIVER FFF	169	0.25		42.3		42.3	22.4	19.9
19	KEG RIVER GGG	64.2	0.24		15.4		15.4	11.5	3.9
20									
21	KEG RIVER HHH	318	0.13		41.3		41.3	38.4	2.9
22	KEG RIVER III	230	0.25		57.5		57.5	49.8	7.7
23	KEG RIVER JJJ	477	0.36		172		172	129.9	42.1
24	KEG RIVER KKK	397	0.30		119		119	64.8	54.2
25	KEG RIVER LLL	165	<0.10		15.1		15.1	15.1	
26									
27	KEG RIVER MMM	500	0.40		200		200	126.0	74.0
28	KEG RIVER NNN	588	0.35		207		207	137.5	69.5
29	KEG RIVER OOO	524	0.10		52.4		52.4	45.6	6.8
30	KEG RIVER PPP	213	0.25		53.2		53.2	37.2	16.0
31	KEG RIVER QQQ	397	<0.11		42.2		42.2	42.2	
32									
33	KEG RIVER RRR	636	0.20		127		127	117.1	9.9
34	KEG RIVER SSS	79.5	0.30		23.8		23.8	17.2	6.6
35	KEG RIVER TTT	127	0.35	0.12	44.5	15.3	59.8	48.3	11.5
36	WATER FLOOD								
37	KEG RIVER VVV	443	0.15		66.4	ERSO	66.4	48.0	18.4
38									
39	KEG RIVER WWW	393	<0.07		24.7		24.7	24.7	
40	KEG RIVER XXX	477	0.08		38.0		38.0	34.8	3.2
41	KEG RIVER YYY	264	0.35		92.4		92.4	63.9	28.5
42	KEG RIVER ZZZ	238	0.16		38.1		38.1	29.2	8.9
43	KEG RIVER A2A	286	0.32		91.5		91.5	82.2	9.3
44									
45	KEG RIVER B2B	795	0.35		278		278	189.8	88.2
46	KEG RIVER C2C	165	<0.21		34.1		34.1	34.1	
47	KEG RIVER E2E	313	0.30		93.9		93.9	55.8	38.1
48	KEG RIVER F2F	310	<0.07		21.4		21.4	21.4	
49	KEG RIVER G2G	960	0.13		125		125	121.9	3.1
50									
51	KEG RIVER H2H	305	<0.04		10.3		10.3	10.3	
52	KEG RIVER I2I	197	0.30		59.1		59.1	45.6	13.5
53	KEG RIVER J2J	286	0.30		85.8		85.8	62.0	23.8
54	KEG RIVER K2K	477	<0.02		6.5		6.5	6.5	
55	KEG RIVER L2L	143	<0.10		13.7		13.7	13.7	
56									
57	KEG RIVER M2M	354	0.35		124		124	88.9	35.1
58	KEG RIVER N2N	461	0.30		138		138	121.4	16.6
59	KEG RIVER O2O	159	0.20		31.8		31.8	27.6	4.2
60	KEG RIVER P2P	350	0.30		105		105	76.6	28.4
61	KEG RIVER Q2Q	364	<0.12		42.7		42.7	42.7	
62									
63	KEG RIVER R2R	255	0.30		76.5		76.5	5.7	70.8
64	KEG RIVER S2S	350	0.35		122		122	81.6	40.4
65	KEG RIVER T2T	91.9	0.25		23.0		23.0	14.7	8.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m		
21	28.74	0.039	0.30	0.84	59	865	70	13 790	1 598.1	1967	83 12 - GPP
26	91.74	0.075	0.10	0.83	58	855	77	14 930	1 509.4	1967	70 06
16	45.11	0.055	0.13	0.90	32	898	63	14 170	1 443.5	1967	84 12 - GPP
13	67.30	0.071	0.11	0.84	71	860	71	14 790	1 501.4	1967	82 12 - GPP
26	60.96	0.060	0.15	0.81	71	844	71	14 620	1 521.6	1967	70 02 - GPP - IS NO 9
24	20.95	0.110	0.12	0.49	331	811	77	15 370	1 551.1	1967	83 12 - SUSP 81 07
10	108.81	0.074	0.10	0.79	74	834	79	14 960	1 583.1	1967	75 12
3	99.36	0.105	0.13	0.83	57	855	80	14 690	1 565.8	1967	75 07 - GPP
72	17.37	0.065	0.28	0.81	65	860	76	14 240	1 573.4	1967	70 09 - WTR INJ 69 01
9	58.83	0.076	0.15	0.90	33	881	67	14 170	1 468.2	1967	70 07 - GPP
21	36.27	0.064	0.22	0.85	52	865	70	13 380	1 443.8	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 650	1 454.7	1967	83 12
3	73.15	0.045	0.35	0.89	45	860	83	14 340	1 524.6	1967	69 01 - GPP
10	37.80	0.115	0.10	0.83	59	860	72	13 550	1 470.8	1967	82 12 - SUSP 82 03
10	43.20	0.080	0.25	0.89	38	881	64	14 000	1 427.7	1967	83 12 - GPP
21	45.14	0.070	0.20	0.88	30	865	72	14 550	1 451.5	1967	70 06
7	101.50	0.080	0.11	0.83	45	855	78	14 690	1 558.7	1967	82 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 200	1 471.6	1967	76 01 - SUSP 75 10
12	86.52	0.070	0.20	0.86	47	865	69	14 890	1 484.4	1967	82 10
17	69.49	0.073	0.15	0.80	72	844	80	15 690	1 532.2	1967	69 01 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	13 930	1 453.9	1967	82 12 - GPP
19	42.15	0.040	0.20	0.83	60	860	71	13 270	1 465.8	1967	70 02 - GPP
34	49.71	0.040	0.30	0.85	49	865	71	13 170	1 466.4	1967	82 12 - SUSP 80 10
20	70.26	0.077	0.17	0.70	145	829	73	15 200	1 548.7	1967	75 12 - GPP
6	24.69	0.080	0.25	0.83	41	860	73	14 650	1 547.2	1967	68 11 - GPP
4	53.95	0.080	0.10	0.87	43	865	73	14 310	1 516.7	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 310	1 464.7	1967	70 02 - GPP
17	37.73	0.080	0.15	0.90	34	887	63	13 890	1 417.3	1968	70 02 - WTR DISP 73 03
21	57.30	0.059	0.23	0.87	42	881	67	13 580	1 460.6	1968	81 12 - GPP
12	42.03	0.074	0.16	0.86	43	876	71	13 450	1 449.9	1968	84 12
20	22.80	0.070	0.17	0.90	28	881	63	14 170	1 426.9	1968	81 12 - GPP
32	25.09	0.055	0.20	0.81	74	849	71	13 450	1 462.0	1968	70 02
17	53.04	0.120	0.15	0.85	56	855	68	14 640	1 490.2	1968	69 04 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 820	1 474.6	1968	84 12 - SUSP 83 09
16	30.48	0.085	0.17	0.90	32	904	63	13 670	1 417.3	1968	70 02 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 650	1 443.5	1968	74 12 - SUSP 74 09
28	57.42	0.085	0.13	0.81	71	844	76	14 190	1 510.3	1968	83 07 - GPP
15	38.10	0.078	0.17	0.85	52	865	70	13 580	1 448.1	1968	74 12 - SUSP 74 10
18	27.10	0.065	0.20	0.77	95	825	80	14 760	1 557.2	1968	70 02 - GPP
14	31.39	0.087	0.14	0.86	47	870	69	14 450	1 487.4	1968	69 03 - GPP
63	19.57	0.054	0.20	0.89	37	892	61	13 650	1 413.1	1968	73 02 - SUSP 72 04
16	38.10	0.040	0.30	0.83	66	865	68	12 650	1 453.0	1968	78 10 - SUSP 75 11
13	47.64	0.075	0.15	0.90	38	881	61	13 930	1 436.8	1968	70 02 - GPP
12	57.82	0.094	0.15	0.85	59	860	68	14 380	1 459.4	1968	70 02 - GPP
15	15.67	0.100	0.14	0.79	84	870	73	14 590	1 525.8	1968	71 06 - GPP
11	47.85	0.094	0.16	0.88	38	865	69	14 000	1 449.6	1968	71 07
17	70.90	0.045	0.20	0.82	66	860	74	11 650	1 492.9	1968	82 12 - SUSP 80 10
17	29.80	0.080	0.12	0.72	230	825	66	14 960	1 560.9	1968	84 09
6	91.44	0.080	0.11	0.83	50	870	77	14 300	1 537.1	1968	73 05 - GPP
7	22.34	0.075	0.11	0.88	35	867	67	13 280	1 474.6	1968	83 12

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
2	ZAMA 117-04W6 (CONTINUED)								
3	KEG RIVER U2U	429	<0.16		66.3		66.3	66.3	
4	KEG RIVER V2V	127	<0.04		4.2		4.2	4.2	
5	KEG RIVER W2W	165	0.25		41.3		41.3	30.2	11.1
6	KEG RIVER X2X	547	0.32	0.23	175	126	301	224.6	76.4
7	WATER FLOOD								
8									
9	KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
10	KEG RIVER Z2Z	477	0.20		95.4		95.4	67.7	27.7
11	KEG RIVER A3A	318	0.14		44.5		44.5	37.8	6.7
12	KEG RIVER B3B	251	<0.06		14.3		14.3	14.3	
13	KEG RIVER C3C	111	<0.23		25.3		25.3	25.3	
14									
15	KEG RIVER D3D	257	0.30		77.2		77.2	62.4	14.8
16	KEG RIVER F3F	420	0.15		63.0		63.0	38.0	25.0
17	KEG RIVER G3G	106	0.03		3.3		3.3	3.3	
18	KEG RIVER H3H	218	0.40		87.2		87.2	32.0	55.2
19	KEG RIVER I3I	636	0.17	0.13	108	82.7	191	110.8	80.2
20	WATER FLOOD								
21									
22	KEG RIVER J3J	222	0.12		26.7		26.7	26.7	
23	KEG RIVER K3K	207	0.20	0.10	41.3	20.7	62.0	56.4	5.6
24	WATER FLOOD								
25	KEG RIVER L3L	159	0.20	0.10	31.8	15.9	47.7	44.1	3.6
26	WATER FLOOD								
27									
28	KEG RIVER M3M	318	<0.03		8.2		8.2	8.2	
29	KEG RIVER N3N	302	<0.24		70.5		70.5	70.5	
30	KEG RIVER O3O	240	<0.06		13.9		13.9	13.9	
31	KEG RIVER P3P	477	0.23		110		110	77.7	32.3
32	KEG RIVER Q3Q	267	0.15		40.0		40.0	30.1	9.9
33									
34	KEG RIVER R3R	233	0.35		81.6		81.6	60.8	20.8
35	KEG RIVER S3S	222	0.35		77.7		77.7	63.5	14.2
36	KEG RIVER T3T	243	<0.07		15.2		15.2	15.2	
37	KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
38	KEG RIVER V3V	7.9	0.10		.8		.8	.8	
39									
40	KEG RIVER W3W	524	0.26	0.09	136	47.2	183	145.1	37.9
41	WATER FLOOD								
42	KEG RIVER X3X	238	<0.02		3.0		3.0	3.0	
43	KEG RIVER Y3Y	238	<0.06		12.2		12.2	12.2	
44	KEG RIVER Z3Z	477	0.40		191		191	131.8	59.2
45									
46	KEG RIVER A4A	47.7	<0.01		.4		.4	.4	
47	KEG RIVER B4B	63.6	<0.18		11.3		11.3	11.3	
48	KEG RIVER C4C	323	<0.13		41.0		41.0	41.0	
49	KEG RIVER D4D	140	<0.11		15.0		15.0	15.0	
50	KEG RIVER E4E	415	0.10		41.5		41.5	36.9	4.6
51									
52	KEG RIVER F4F	79.5	<0.20		15.8		15.8	15.8	
53	KEG RIVER G4G	370	0.15		55.5		55.5	30.6	24.9
54	KEG RIVER H4H	381	0.20		76.2		76.2	45.6	30.6
55	KEG RIVER I4I	222	0.18		40.0		40.0	36.6	3.4
56	KEG RIVER J4J	397	<0.03		8.2		8.2	8.2	
57									
58	KEG RIVER K4K	159	0.20		31.8		31.8	25.5	6.3
59	KEG RIVER L4L	466	0.35		163		163	104.6	58.4
60	KEG RIVER M4M	210	0.20		42.0		42.0	13.1	28.9
61	KEG RIVER N4N	191	0.20		38.2		38.2	28.1	10.1
62	KEG RIVER O4O	143	0.14		20.0		20.0	18.3	1.7
63									
64	KEG RIVER P4P	159	0.35		55.6		55.6	38.0	17.6
65	KEG RIVER Q4Q	143	<0.14		19.5		19.5	19.5	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m		
10	53.77	0.105	0.13	0.90	26	876	68	13 880	1 451.5	1968	79 06 - SUSP 78 02
13	24.90	0.060	0.25	0.85	54	865	71	13 130	1 434.4	1968	73 02 - SUSP 71 12
15	32.95	0.054	0.25	0.83	59	865	70	11 510	1 463.3	1968	84 12 - GPP
34	31.21	0.075	0.13	0.80	78	844	76	12 580	1 494.1	1968	84 12 - GPP - IS NO 9
5	21.58	0.110	0.30	0.87	48	860	71	11 910	1 521.9	1968	69 11 - SUSP 69 10
17	30.23	0.120	0.15	0.91	26	887	64	13 490	1 428.6	1968	83 12
35	29.50	0.045	0.20	0.86	53	865	72	13 530	1 454.2	1967	82 12 - SUSP 84 08
17	36.27	0.060	0.20	0.85	52	865	70	12 310	1 454.5	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 210	1 498.7	1968	83 12 - SUSP 81 01
16	35.17	0.065	0.15	0.84	59	860	74	14 020	1 459.4	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	12 940	1 400.9	1969	80 09 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 500	1 406.7	1969	70 02 - SUSP 70 02
5	91.74	0.070	0.21	0.86	46	865	71	15 090	1 535.0	1969	84 09
53	30.36	0.060	0.20	0.83	63	865	72	13 000	1 433.2	1968	82 12 - GPP
8	31.21	0.122	0.13	0.83	63	860	71	13 670	1 456.3	1967	83 12 - WTR DISP 75 07
8	43.74	0.079	0.12	0.84	61	865	71	13 700	1 454.5	1967	75 08 - GPP
12	37.83	0.052	0.18	0.84	55	865	71	13 330	1 442.9	1967	75 08 - GPP
19	24.78	0.090	0.12	0.87	35	865	71	13 460	1 435.9	1969	70 01 - SUSP 71 09
10	58.30	0.071	0.11	0.82	62	865	69	13 460	1 501.7	1969	84 12 - SUSP 84 12
9	55.41	0.079	0.25	0.82	71	855	68	13 410	1 476.8	1967	77 04 - SUSP 77 01
10	80.13	0.092	0.18	0.78	78	855	72	14 620	1 583.1	1968	82 12 - GPP
16	42.98	0.065	0.27	0.83	57	870	71	12 350	1 435.6	1969	73 05 - GPP
9	44.80	0.080	0.15	0.85	56	860	67	13 800	1 451.5	1969	82 12
11	23.16	0.112	0.12	0.86	52	887	77	13 650	1 481.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 910	1 533.8	1969	75 12 - SUSP 74 10
1	29.57	0.079	0.16	0.86	46	860	71	9 360	1 500.2	1969	73 02 - SUSP 72 05
3	8.53	0.050	0.25	0.83	77	855	76	14 580	1 646.5	1969	71 01 - SUSP 70 09
7	73.00	0.139	0.09	0.78	85	855	69	13 400	1 520.3	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	56	844	72	8 560	1 524.0	1969	71 12 - SUSP 71 04
12	50.17	0.055	0.20	0.89	30	881	70	13 380	1 473.1	1969	74 12 - SUSP 74 07
15	58.95	0.086	0.15	0.76	94	829	79	15 010	1 522.5	1969	71 01 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 110	1 639.5	1969	70 10 - SUSP 70 01
5	26.97	0.077	0.25	0.84	58	855	77	15 180	1 639.5	1969	78 07 - SUSP 78 04
14	44.84	0.080	0.17	0.79	89	860	71	13 450	1 510.9	1969	82 12 - SUSP 83 04
13	32.34	0.050	0.20	0.81	69	860	69	12 820	1 477.4	1968	70 02 - ABAND 72 05
20	30.48	0.090	0.15	0.88	35	870	69	11 420	1 449.6	1970	71 01
19	23.16	0.030	0.30	0.86	46	865	72	13 730	1 448.1	1967	83 12 - ABAND 82 02
7	68.12	0.100	0.10	0.88	35	860	67	12 470	1 469.7	1971	81 12 - GPP
14	45.42	0.084	0.18	0.90	29	898	59	12 910	1 428.3	1971	81 12
12	41.45	0.065	0.22	0.90	38	887	62	13 370	1 414.9	1971	82 12 - SUSP 84 04
10	44.50	0.110	0.09	0.89	41	898	62	12 510	1 424.6	1971	76 06 - WTR DISP 75 11
12	31.09	0.060	0.18	0.89	41	898	62	12 240	1 420.4	1971	82 12 - GPP
30	30.48	0.069	0.12	0.84	61	855	70	13 220	1 525.8	1971	83 12
11	56.28	0.061	0.33	0.83	64	855	81	13 510	1 547.8	1971	81 09 - SUSP 82 10
7	39.81	0.086	0.15	0.90	35	881	61	9 410	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	23 310	1 416.4	1971	83 12
6	39.35	0.085	0.13	0.90	35	892	61	13 820	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 510	1 420.7	1971	83 12 - SUSP 83 04

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
LIGHT-AND-MEDIUM DENSITY POOLS (CONTINUED)								
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER R4R	267	0.07		18.7		18.7	18.7	
KEG RIVER S4S	270	0.10		27.0		27.0	17.5	9.5
KEG RIVER T4T	318	0.40		127		127	101.5	25.5
KEG RIVER U4U	318	0.35		111		111	70.8	40.2
KEG RIVER V4V	95.3	0.20		19.1		19.1	10.7	8.4
KEG RIVER W4W	95.3	0.30		28.6		28.6	20.0	8.6
KEG RIVER X4X	424	0.15		63.6		63.6	35.3	28.3
KEG RIVER Y4Y	23.5	0.30		7.1		7.1	6.5	.6
KEG RIVER Z4Z	232	0.10		23.2		23.2	20.3	2.9
KEG RIVER A5A	874	0.35		307		307	106.5	200.5
KEG RIVER B5B	159	0.40		63.6		63.6	20.1	43.5
KEG RIVER C5C	259	0.40		104		104	54.6	49.4
KEG RIVER D5D	300	0.35		105		105	28.6	76.4
KEG RIVER E5E	425	<0.01		.1		.1	.1	
KEG RIVER F5F	181	0.20		36.2		36.2	4.3	31.9
KEG RIVER G5G	350	0.30		105		105	11.2	93.8
KEG RIVER H5H	267	0.01		2.7		2.7	1.2	1.5
KEG RIVER I5I	322	0.20		64.4		64.4	22.4	42.0
KEG RIVER J5J	340	0.25		85.0		85.0	10.8	74.2
KEG RIVER K5K	612	0.30		184		184	4.2	179.8
KEG RIVER L5L	285	0.35		100		100	15.4	84.6
KEG RIVER M5M	891	0.25		223		223	6.6	216.4
KEG RIVER N5N	374	0.20		74.8		74.8	4.2	70.6
KEG RIVER S5S	2 490	0.30		747		747	6.7	740.3
KEG RIVER T5T	694	0.25		174		174	.4	173.6
UNDEFINED AND CONFIDENTIAL POOLS	179 888			26 034		26 034	2 293.6	23 778.5
TOTAL LIGHT-AND-MEDIUM CRUDE OIL	6 164 377.8			1 358 113.3	583 676.4	1 942 321.6	1 344 211.8	598 147.9
HEAVY DENSITY POOLS								
ALDERSON 015-11W4								
UPPER MANNVILLE A	107	<0.01		.2		.2	.2	
UPPER MANNVILLE B	154	0.07		10.8		10.8	8.8	2.0
UPPER MANNVILLE C	417	0.10		41.7		41.7	22.4	19.3
UPPER MANNVILLE D	940	0.15		140		140	82.9	57.1
UPPER MANNVILLE E	108	<0.01		.2		.2	.1	.1
UPPER MANNVILLE F	205	<0.01		.4		.4	.4	
UPPER MANNVILLE G	928	<0.01		1.7		1.7	1.7	
UPPER MANNVILLE H	70.0	<0.02		1.0		1.0	1.0	
UPPER MANNVILLE I	430	0.05		21.5		21.5	10.0	11.5
UPPER MANNVILLE J	289	0.03		8.7		8.7	6.9	1.8
UPPER MANNVILLE L	180	0.10		18.0		18.0	12.7	5.3
UPPER MANNVILLE R	1 090	0.10		109		109	57.1	51.9
UPPER MANNVILLE S WATER FLOOD	500	0.10	0.13	50.0	65.0	115	26.0	89.0
UPPER MANNVILLE T	186	0.10		18.6		18.6	9.2	9.4
UPPER MANNVILLE U	213	0.05		10.7		10.7	6.6	4.1

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS
9	38.71	0.100	0.10	0.90	35	904	61	13 450	1 419.1	1971	82 12 - SUSP 80 03
10	31.09	0.120	0.17	0.90	36	887	62	21 860	1 418.5	1972	78 12 - SUSP 84 05
7	88.70	0.075	0.11	0.78	83	829	77	15 750	1 547.5	1972	75 05 - GPP
21	24.78	0.080	0.11	0.84	59	855	69	12 460	1 486.2	1972	84 12
4	73.75	0.047	0.21	0.87	47	849	72	14 210	1 510.9	1972	81 08 - SUSP 82 07
3	45.54	0.100	0.15	0.87	47	876	71	14 650	1 481.6	1972	75 04 - GPP
12	52.55	0.090	0.10	0.85	60	865	45	7 490	1 519.7	1972	82 12
2	39.32	0.044	0.18	0.83	58	829	74	15 880	1 561.2	1972	77 04
25	24.99	0.055	0.12	0.78	89	834	72	13 610	1 550.5	1971	73 11
15	77.54	0.099	0.08	0.85	301	876	69	12 270	1 454.5	1973	74 04 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 710	1 553.0	1973	74 08 - GPP
7	44.81	0.105	0.09	0.88	27	876	69	5 320	1 444.6	1974	75 04
11	52.80	0.075	0.14	0.80	71	825	88	14 890	1 581.3	1974	83 06
64	17.32	0.060	0.23	0.83	69	860	56	13 540	1 467.0	1978	82 12 - SUSP 79 04
64	9.00	0.050	0.25	0.84	50	861	60	13 550	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 445	1 451.3	1981	82 06 - GPP
8	75.50	0.070	0.20	0.79	76	855	66	13 509	1 487.1	1981	83 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 760	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	9 000	1 508.8	1982	83 07
64	28.50	0.050	0.14	0.78	83	831	78	11 197	1 586.8	1982	83 04
13	26.00	0.120	0.21	0.89	36	894	61	6 550	1 435.0	1982	84 06
64	23.00	0.080	0.15	0.89	36	911	61	6 550	1 406.5	1983	83 08 - PREV CONF
64	15.30	0.050	0.08	0.83	60	853	73	9 000	1 527.0	1983	84 01
64	54.60	0.100	0.14	0.83	58	858	74	8 400	1 629.7	1983	84 08 - PREV CONF
64	17.50	0.080	0.10	0.86	43	881	66	13 282	1 512.0	1983	84 09 - PREV CONF
65	1.22	0.220	0.30	0.88	41	910	32	11 500	991.8	1970	70 01 - SUSP 70 11
65	1.52	0.240	0.26	0.88	41	946	32	10 900	994.3	1969	80 12 - GPP
231	1.14	0.230	0.22	0.88	50	928	30	11 090	1 014.2	1971	84 10
318	2.38	0.220	0.38	0.91	54	898	33	10 560	952.5	1970	84 02
64	1.52	0.180	0.31	0.88	54	874	34	11 420	984.8	1971	82 12 - SUSP 82 08
65	2.44	0.230	0.36	0.88	43	965	32	10 860	987.2	1972	78 03 - SUSP 78 01
65	11.58	0.210	0.33	0.88	53	898	32	11 340	1 021.4	1973	83 12 - SUSP 83 10
32	1.83	0.220	0.40	0.90	27	946	32	11 910	956.5	1974	83 12 - SUSP 79 07
128	2.75	0.190	0.27	0.88	50	876	31	10 870	979.9	1973	83 07 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 270	1 050.3	1976	81 12
64	2.00	0.200	0.20	0.88	53	865	34	10 955	987.9	1972	83 06
160	4.84	0.230	0.27	0.84	72	890	31	11 030	1 030.1	1978	83 12
60	4.30	0.270	0.17	0.86	99	887	31	11 070	1 027.9	1978	84 03
83	1.60	0.210	0.23	0.87		887	28	9 970	1 015.7	1979	84 07 - GPP
64	3.00	0.180	0.30	0.88	58	900	30	10 424	1 000.2	1980	80 05

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1					HEAVY DENSITY POOLS (CONTINUED)				
2	ALDERSON 015-11W4 (CONTINUED)								
3	UPPER MANNVILLE Y	599	0.10		59.9		59.9	25.8	34.1
4	UPPER MANNVILLE Z	1 200	0.10		120		120	55.7	64.3
5	UPPER MANNVILLE AA	147	0.10		14.7		14.7	6.5	8.2
6	UPPER MANNVILLE BB	146	0.10		14.6		14.6	.1	14.5
7									
8	UPPER MANNVILLE CC	99.8	0.10		10.0		10.0	5.3	4.7
9	UPPER MANNVILLE DD	144	0.10		14.4		14.4	6.4	8.0
10	UPPER MANNVILLE EE	127	0.10		12.7		12.7	3.4	9.3
11	UPPER MANNVILLE GG	105	<0.02		1.7		1.7	1.7	
12	UPPER MANNVILLE HH	124	0.05		6.2		6.2	3.5	2.7
13									
14	UPPER MANNVILLE JJ	106	<0.01		.5		.5	.5	
15	UPPER MANNVILLE KK	276	0.10		27.6		27.6	3.9	23.7
16	UPPER MANNVILLE LL	74.9	0.05		3.7		3.7	2.8	.9
17	UPPER MANNVILLE MM	119	0.05		6.0		6.0	.1	5.9
18	UPPER MANNVILLE NN	109	0.05		5.4		5.4	1.2	4.2
19									
20	UPPER MANNVILLE RR	131	0.10		13.1		13.1	.1	13.0
21	UPPER MANNVILLE SS	286	0.10		28.6		28.6	26.3	2.3
22	UPPER MANNVILLE TT	42.1	0.10		4.2		4.2	2.2	2.0
23	UPPER MANNVILLE UU	113	0.10		11.3		11.3		11.3
24	LOWER MANNVILLE A	626	0.20		125		125	107.5	17.5
25									
26	LOWER MANNVILLE B	413	0.23		95.0	ERSO	95.0	76.5	18.5
27	LOWER MANNVILLE C	1 460	0.10		146		146	112.7	33.3
28	LOWER MANNVILLE D	699	0.23		160	ERSO	160	144.6	15.4
29	LOWER MANNVILLE E	173	<0.01		.4		.4	.4	
30	LOWER MANNVILLE F	2 080	0.07		146		146	89.4	56.6
31									
32	LOWER MANNVILLE G	691	0.10		69.1		69.1	52.2	16.9
33	LOWER MANNVILLE H	677	0.05		33.8		33.8	30.1	3.7
34	LOWER MANNVILLE I	1 090	0.05		54.5		54.5	38.9	15.6
35	LOWER MANNVILLE J	817	0.05		40.9		40.9	30.6	10.3
36	LOWER MANNVILLE K	1 330	0.10		133		133	44.9	88.1
37									
38	LOWER MANNVILLE L	238	0.10		23.8		23.8	9.8	14.0
39	LOWER MANNVILLE M	49.5	<0.01		.1		.1	.1	
40	LOWER MANNVILLE N	84.9	0.10		8.5		8.5	4.0	4.5
41	LOWER MANNVILLE O	411	0.10		41.1		41.1	9.9	31.2
42	LOWER MANNVILLE P	82.0	<0.01		.2		.2	.2	
43									
44	LOWER MANNVILLE Q	455	0.05		22.8		22.8	4.3	18.5
45	LOWER MANNVILLE R	59.1	0.05		3.0		3.0	.2	2.8
46	LOWER MANNVILLE S	43.4	0.10		4.3		4.3	2.7	1.6
47	LOWER MANNVILLE U	111	0.10		11.1		11.1	3.2	7.9
48	LOWER MANNVILLE W	261	0.05		13.1		13.1	2.4	10.7
49									
50	LOWER MANNVILLE X	165	0.10		16.5		16.5	4.4	12.1
51	LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	1.9	6.5
52	LOWER MANNVILLE Z	288	0.10		28.8		28.8	8.3	20.5
53	LOWER MANNVILLE AA	604	0.05		30.2		30.2	2.1	28.1
54	LOWER MANNVILLE BB	818	0.05		40.9		40.9	6.8	34.1
55									
56	LOWER MANNVILLE CC	73.4	0.10		7.3		7.3	1.8	5.5
57	LOWER MANNVILLE DD	94.1	0.10		9.4		9.4	.8	8.6
58	LOWER MANNVILLE EE	102	0.05		5.1		5.1	.2	4.9
59	LOWER MANNVILLE FF	26.5	0.05		1.3		1.3	.9	.4
60	LOWER MANNVILLE GG	92.0	0.05		4.6		4.6	.1	4.5
61									
62	LOWER MANNVILLE HH	483	0.05		24.2		24.2	3.3	20.9
63	LOWER MANNVILLE II	68.4	0.05		3.4		3.4	.8	2.6
64	LOWER MANNVILLE JJ	210	0.05		10.5		10.5	1.0	9.5
65	LOWER MANNVILLE KK	243	0.05		12.2		12.2	.1	12.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m		
32	10.90	0.260	0.25	0.88	69	882	28	11 315	1 032.9	1980	83 09
117	6.21	0.240	0.15	0.81	39	891	33	11 088	1 024.0	1979	83 12
32	3.40	0.220	0.30	0.88	68	887	34	11 060	1 026.6	1978	81 05
32	3.00	0.220	0.23	0.90	48	925	31	9 698	1 018.0	1980	81 07
48	1.30	0.230	0.21	0.88	62	897	30	10 650	1 036.0	1980	82 04
65	2.00	0.180	0.30	0.88	45		34	10 154	1 011.5	1980	83 12
32	2.00	0.260	0.23	0.88	48		32	10 506	1 014.0	1980	81 09
32	3.60	0.160	0.35	0.88	68	888	31	11 483	1 029.4	1980	83 12 - SUSP 81 10
64	1.80	0.170	0.28	0.88	41	904	35	10 833	1 012.9	1974	82 02
32	2.50	0.200	0.25	0.88	43	865	28	10 177	995.0	1981	83 12 - SUSP 81 12
96	2.30	0.200	0.29	0.88	49	868	31	11 320	994.4	1981	83 06 - GPP
16	4.00	0.190	0.30	0.88	50	930	32	10 096	995.0	1982	83 06
16	6.50	0.200	0.35	0.88	51	934	32	10 315	965.0	1982	83 06 - SUSP 84 02
16	4.70	0.220	0.25	0.88	52	925	29	11 228	1 026.0	1981	84 02 - GPP
32	4.30	0.180	0.40	0.88	50	888	31	10 335	990.2	1983	83 12
48	6.90	0.150	0.36	0.90	39	885	33	11 108	1 029.7	1979	83 12
16	2.50	0.180	0.35	0.90	39	885	33	11 121	1 032.5	1979	83 12
32	2.00	0.250	0.20	0.88	50	892	29	8 000	1 017.3	1983	84 10 - PREV CONF
228	2.56	0.174	0.30	0.88	41	904	32	10 200	924.8	1962	83 12 - GPP
134	2.72	0.210	0.40	0.90	41	904	31	10 430	945.8	1964	83 12 - GPP
128	11.40	0.170	0.31	0.85	64	892	32	10 960	985.1	1962	82 12 - GPP
298	2.07	0.210	0.40	0.90	41	904	29	10 500	942.1	1964	77 12 - GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 030	1 008.6	1970	71 03 - ABAND 71 10
476	2.94	0.260	0.35	0.88	53	876	30	10 490	976.3	1971	79 12 - GPP
65	6.71	0.270	0.33	0.88	53	876	54	10 420	966.2	1971	72 07 - GPP
65	6.10	0.300	0.35	0.88	54	904	32	10 480	963.5	1969	71 10 - GPP
65	8.23	0.300	0.20	0.85	57	898	32	11 160	1 008.9	1971	82 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 280	1 026.9	1972	82 12
266	3.43	0.267	0.36	0.85	59	898	29	10 540	973.5	1977	84 12
64	3.50	0.169	0.30	0.90	60	892	29	10 540	961.3	1979	79 09
32	2.00	0.150	0.40	0.86	64	888	35	9 881	1 052.0	1979	83 12 - SUSP 80 08
32	2.10	0.210	0.32	0.88	58	888	30	10 100	1 047.7	1979	82 02
192	1.81	0.190	0.31	0.90	40	912	32	10 655	968.8	1980	83 05
64	1.80	0.160	0.50	0.89	50	912	31	11 728	985.3	1970	83 12 - SUSP 82 07
32	13.20	0.210	0.43	0.90	34	939	34	11 192	1 016.9	1980	81 09
16	3.60	0.190	0.40	0.90		939	34	10 421	1 024.8	1981	82 03 - SUSP 83 05
32	2.00	0.110	0.30	0.88	58	878	29	10 678	1 049.5	1981	82 03
16	5.70	0.190	0.29	0.90	40	914	34	11 177	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 238	961.0	1981	82 09
32	6.60	0.160	0.44	0.87	65	890	31	10 742	1 036.9	1981	84 11
16	5.00	0.180	0.35	0.90	41	897	31	8 000	1 029.9	1982	82 12 - PREV CONF
128	2.49	0.176	0.41	0.90	41	917	31	10 367	937.3	1982	84 12
64	7.53	0.220	0.40	0.95	24	930	33	10 411	963.7	1982	82 12
32	12.00	0.240	0.29	0.95	19	908	32	4 400	973.3	1982	83 02
32	1.50	0.240	0.30	0.91	38	883	33	9 890	997.3	1981	83 03
32	4.43	0.150	0.48	0.85	67	875	32	10 124	1 032.0	1982	84 11
16	6.20	0.190	0.40	0.90	40	933	31	7 548	974.3	1982	83 05
32	1.00	0.150	0.35	0.85	67	875	32	11 162	1 042.0	1982	83 05
32	2.20	0.220	0.34	0.90	42	916	32	8 862	966.1	1982	83 06 - SUSP 84 02
96	3.35	0.280	0.39	0.88	47	904	34	9 985	939.5	1982	84 11
16	3.30	0.240	0.40	0.90	39	969	34	9 500	939.2	1982	83 06 - PREV CONF
16	13.00	0.190	0.41	0.90	41	933	33	10 415	973.1	1982	83 07 - PREV CONF
32	8.50	0.178	0.43	0.88	50	907	33	8 300	950.3	1983	83 11 - SUSP 84 02

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction		10^3m^3				
HEAVY DENSITY POOLS (CONTINUED)								
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	1.0	9.0
LOWER MANNVILLE MM	544	0.10		54.4		54.4	2.3	52.1
LOWER MANNVILLE NN	165	0.10		16.5		16.5	1.0	15.5
LOWER MANNVILLE PP	148	0.10		14.8		14.8		14.8
LOWER MANNVILLE QQ	547	0.10		54.7		54.7	10.3	44.4
LOWER MANNVILLE UU	114	0.10		11.4		11.4	.2	11.2
LOWER MANNVILLE VV	103	0.10		10.3		10.3	1.5	8.8
LOWER MANNVILLE WW	67.3	0.10		6.7		6.7		6.7
LOWER MANNVILLE YY	41.8	0.10		4.2		4.2		4.2
LOWER MANNVILLE ZZ	76.0	0.10		7.6		7.6		7.6
LOWER MANNVILLE BBB	31.7	0.10		3.2		3.2	.8	2.4
LOWER MANNVILLE CCC	54.1	0.10		5.4		5.4	1.7	3.7
LOWER MANNVILLE DDD	28.6	0.10		2.9		2.9	1.2	1.7
DETRITAL A	178	0.10		17.8		17.8	2.8	15.0
DETRITAL B	75.5	0.10		7.6		7.6	2.8	4.8
DETRITAL C	31.0	0.10		3.1		3.1	.8	2.3
ALEXANDER 056-27W4								
BASAL QUARTZ D	175	<0.01		.6		.6	.6	
BASAL QUARTZ E	126	0.05		6.3		6.3	5.6	.7
WABAMUN B	513	<0.01		.3		.3	.3	
ALEXIS 055-04W5								
OSTRACOD A	159	<0.01		.7		.7	.7	
OSTRACOD B	296	0.03		8.9		8.9	7.5	1.4
BANFF A	7 580	0.15		1 140		1 140	294.1	845.9
ALTARIO 035-01W4								
GLAUCONITIC A	86.6	<0.01		.1		.1		.1
GLAUCONITIC B	72.4	<0.01		.1		.1		.1
GLAUCONITIC C	56.0	<0.01		.2		.2	.2	
AMISK 041-08W4								
BLAIRMORE A	1 550	0.01		15.5		15.5	14.0	1.5
BLAIRMORE B	952	0.02		19.0		19.0	9.3	9.7
UPPER MANNVILLE I	43.7	<0.02		.8		.8	.8	
UPPER MANNVILLE O	61.6	0.06		3.7		3.7	2.4	1.3
ARMADA 016-19W4								
BASAL QUARTZ C	6.3	0.10		.6		.6	.3	.3
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.3	<0.03		1.9		1.9	1.0	.9
UPPER MANNVILLE F	3 800	0.05		190		190	39.3	150.7
UPPER MANNVILLE G	3 400	0.08		272		272	64.7	207.3
UPPER MANNVILLE K	46.7	0.05		2.3		2.3	1.1	1.2
GLAUCONITIC A	142	0.05		7.1		7.1	1.5	5.6
GLAUCONITIC B	25.1	0.05		1.3		1.3	.2	1.1
OSTRACOD A	22.5	0.05		1.1		1.1	.1	1.0
BASAL MANNVILLE B	192	<0.01		.1		.1	.1	
BASAL MANNVILLE D	462	0.02		9.2		9.2	.5	8.7
BASAL MANNVILLE E	80.0	0.10		8.0		8.0	3.9	4.1
BASAL MANNVILLE F	26.5	0.10		2.7		2.7	1.2	1.5
BANFF A	188	0.05		9.4		9.4	.3	9.1
AUBURNDALE 047-06W4								
COLONY F	103	0.05		5.2		5.2	.1	5.1
WAINWRIGHT A	872	0.08		69.8		69.8	46.5	23.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
32	3.60	0.160	0.40	0.90	41	910	28	7 200	934.3	1982	83 12 - PREV CONF	3
64	7.50	0.180	0.30	0.90	42	890	31	6 900	1 002.2	1983	84 05 - PREV CONF	4
64	2.00	0.220	0.35	0.90	42	887	30	6 900	967.3	1983	84 05	5
16	6.70	0.230	0.32	0.88	52	928	33	8 200	981.8	1983	84 05 - PREV CONF	6
												7
64	7.14	0.200	0.32	0.88	100	894	30	8 500	987.8	1983	84 05	8
16	5.20	0.240	0.35	0.88	50	930	34	9 000	1 019.6	1982	84 09	9
16	6.10	0.200	0.40	0.88	50	943	33	10 000	984.8	1983	84 09 - PREV CONF	10
16	3.50	0.210	0.35	0.88	50	943	33	10 000	995.9	1983	84 09 - PREV CONF	11
16	3.60	0.150	0.45	0.88	50	890	31	7 600	1 037.2	1983	84 10 - PREV CONF	12
												13
16	5.00	0.180	0.40	0.88	50	882	31	7 500	1 041.5	1983	84 10 - PREV CONF	14
16	1.20	0.250	0.25	0.88	42	904	32	10 904	1 041.1	1980	81 12	15
16	3.90	0.170	0.40	0.85	65	902	31	8 767	1 030.2	1984	84 11	16
16	2.50	0.140	0.40	0.85	65	902	31	8 767	1 043.9	1984	84 11	17
64	2.50	0.200	0.37	0.88	50	902	31	8 500	1 045.0	1983	83 07 - PREV CONF	18
												19
32	3.03	0.170	0.48	0.88	52	895	33	8 600	985.8	1983	84 05	20
16	2.00	0.200	0.45	0.88	52	888	31	8 200	933.0	1983	84 05 - PREV CONF	21
												22
												23
65	3.05	0.160	0.35	0.85	35	927	38	8 830	1 157.6	1968	71 12 - SUSP 71 10	24
64	1.52	0.230	0.34	0.85	66	887	48	9 100	1 234.1	1976	81 12	25
65	10.06	0.124	0.25	0.85	39	927	48	9 100	1 234.1	1968	71 12 - ABAND 72 12	26
												27
												28
65	2.44	0.160	0.30	0.90	50	921	43	11 380	1 361.8	1968	71 12 - ABAND 71 12	29
65	3.66	0.200	0.30	0.89	44	946	43	11 460	1 388.1	1970	73 12 - GPP	30
729	14.36	0.130	0.36	0.87	51	921	43	11 470	1 373.7	1968	83 09	31
												32
												33
16	4.00	0.230	0.40	0.98	7	970	30	6 999	857.0	1980	80 10 - SUSP 81 09	34
16	3.50	0.220	0.40	0.98	7	970	30	2 650	861.8	1980	80 10 - SUSP 81 09	35
16	1.70	0.280	0.25	0.98	14	985	33	6 268	871.9	1979	80 03 - ABAND 83 01	36
												37
												38
128	8.53	0.240	0.40	0.97	10	940	31	5 900	836.1	1957	65 12	39
112	6.09	0.240	0.40	0.97	10	940	30	5 900	829.8	1957	83 12	40
16	1.80	0.230	0.32	0.97	13	959	28	5 750	885.7	1977	77 06 - SUSP 79 08	41
16	2.10	0.270	0.30	0.97	12	965	28	5 642	844.8	1977	82 12 - GPP	42
												43
												44
16	.60	0.120	0.38	0.88	50	930	37	11 701	1 232.7	1981	83 11	45
												46
												47
16	3.10	0.260	0.37	0.95	32	969	26	10 170	922.2	1972	83 06 - SUSP 83 03	48
576	4.00	0.260	0.31	0.92	20	972	31	10 350	920.6	1976	81 07 - GPP	49
420	4.04	0.280	0.23	0.93	22	969	30	10 032	890.8	1980	81 08	50
16	1.80	0.280	0.39	0.95	32	969	26	10 170	986.6	1977	83 09 - GPP	51
												52
16	5.70	0.240	0.30	0.93		965	32	8 861	875.4	1981	82 04 - GPP	53
16	1.30	0.200	0.35	0.93	30	976	32	7 600	866.9	1982	84 05	54
16	1.00	0.220	0.34	0.97	10	980	33	4 100	1 009.2	1982	83 01 - SUSP 84 03	55
16	9.70	0.220	0.42	0.97	21	986	33	10 690	1 020.2	1976	78 10 - SUSP 77 09	56
65	6.10	0.220	0.44	0.95	21	999	28	9 450	942.1	1974	77 02	57
												58
32	2.40	0.184	0.42	0.97	21	986	33	9 896	1 009.7	1976	82 06 - GPP	59
16	1.20	0.230	0.38	0.97	21	986	33	10 690	1 013.8	1976	82 06 - GPP	60
16	7.00	0.250	0.30	0.96	15	998	32	10 250	897.2	1982	82 08 - SUSP 82 12	61
												62
												63
16	4.00	0.270	0.40	0.99	8	971	26	2 567	619.6	1981	82 07 - SUSP 83 11	64
332	1.52	0.300	0.40	0.96	14	959	24	3 760	630.9	1964	81 12 - GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
		HEAVY DENSITY POOLS (CONTINUED)						
AUBURNDALE 047-06W4 (CONTINUED)								
WAINWRIGHT B	1 590	0.05		79.5		79.5	27.2	52.3
BADGER 016-18W4								
UPPER MANNVILLE B	826	0.10		82.6		82.6	14.7	67.9
UPPER MANNVILLE C	81.3	0.10		8.1		8.1	.3	7.8
LOWER MANNVILLE A	101	<0.01		.1		.1		.1
BANTRY 018-13W4								
MANNVILLE A TOTAL	25 300			5 560	825	6 390	5 114.9	1 275.1
PRIMARY AREA	18 900	0.22		4 160		4 160		
WATER FLOOD AREA	6 340	0.22	0.13	1 400	825	2 230		
MANNVILLE B	1 510	0.15		227		227	155.2	71.8
MANNVILLE D	3 700	0.25		925		925	715.1	209.9
MANNVILLE F	550	0.16		88.0		88.0	71.9	16.1
MANNVILLE G	752	0.10		75.2		75.2	55.7	19.5
MANNVILLE H	100	0.05		5.0		5.0	1.5	3.5
MANNVILLE I	142	0.12		17.0		17.0	14.8	2.2
MANNVILLE J	545	<0.01		.2		.2	.2	
MANNVILLE M	1 120	0.01		11.2		11.2	8.9	2.3
MANNVILLE O	173	0.07		12.1		12.1	9.2	2.9
MANNVILLE P	188	0.10		18.8		18.8	13.4	5.4
MANNVILLE R	76.8	<0.01		.1		.1	.1	
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	.8
MANNVILLE V	82.1	0.10		8.2		8.2	.5	7.7
MANNVILLE W	128	0.05		6.4		6.4	1.5	4.9
MANNVILLE Z	350	0.10		35.0		35.0	6.6	28.4
MANNVILLE AA	183	0.10		18.3		18.3	.6	17.7
MANNVILLE DD	297	0.10		29.7		29.7	3.0	26.7
MANNVILLE FF	1 300	<0.17		220		220	151.1	68.9
SUNBURST A	333	0.10		33.3		33.3	7.1	26.2
SUNBURST B	97.7	0.10		9.8		9.8	.8	9.0
DETRITAL A	58.9	0.10		5.9		5.9	1.7	4.2
PEKISKO A	66.7	<0.02		.8		.8	.8	
PEKISKO B	172	<0.01		.8		.8	.8	
PEKISKO C	134	0.10		13.4		13.4	2.1	11.3
PEKISKO D	48.4	0.10		4.8		4.8	1.3	3.5
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
BAXTER LAKE 046-05W4								
MANNVILLE C	567	<0.01		.1		.1	.1	
WAINWRIGHT	1 340	0.15		201		201	160.2	40.8
WAINWRIGHT C	296	0.10		29.6		29.6	13.6	16.0
LLOYDMINSTER A	205	<0.01		.2		.2	.2	
BEAUVALLON 053-09W4								
COLONY R	418	<0.01		1.4		1.4	1.4	
BERRY 027-12W4								
UPPER MANNVILLE I	44.5	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE J	81.0	<0.01		.7		.7	.7	
UPPER MANNVILLE M	84.5	0.10		8.5		8.5	.6	7.9
LOWER MANNVILLE A	888	0.04		35.5		35.5	20.4	15.1
LOWER MANNVILLE F	105	0.08		8.4		8.4	5.6	2.8

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
370	1.82	0.316	0.22	0.96	9	959	24	3 860	626.8	1974	81 12 - GPP	3
96	5.67	0.230	0.25	0.88	56	930	34	11 853	1 109.8	1981	84 09	6
64	1.00	0.200	0.27	0.87	55	930	33	10 500	1 119.5	1983	83 09 - PREV CONF	7
16	5.90	0.150	0.20	0.90	46	965	38	12 270	1 149.3	1978	79 02 - SUSP 79 02	8
4 558					54	904	28	10 860	990.6	1948	74 05	11
3 814	3.08	0.265	0.31	0.88								12
744	5.46	0.257	0.31	0.88							- GPP	13
392	2.50	0.250	0.30	0.88	54	904	28	10 790	971.1	1960	83 12 - GPP	14
814	3.24	0.228	0.30	0.88	54	904	33	10 790	1 021.4	1963	84 08	16
128	3.00	0.250	0.35	0.88	54	904	33	11 200	1 013.5	1962	83 12 - GPP	17
192	2.65	0.240	0.30	0.88	54	904	28	10 830	979.3	1964	80 12 - GPP	18
32	2.13	0.230	0.30	0.90	54	904	38	10 930	1 004.3	1965	83 09 - GPP	19
121	.91	0.230	0.30	0.80	54	904	32	11 030	1 027.5	1965	80 12 - GPP	20
65	7.01	0.210	0.35	0.88	54	904	33	10 960	1 018.3	1967	68 09 - ABAND 68 07	22
120	6.06	0.250	0.30	0.88	54	904	36	8 960	1 003.1	1958	83 07 - GPP	23
32	3.05	0.250	0.10	0.79	57	915	37	11 400	1 012.2	1964	81 12	24
32	3.97	0.240	0.30	0.88	54	904	28	10 930	974.1	1968	83 12 - GPP	25
32	2.50	0.220	0.51	0.89	47	910	37	10 578	1 006.3	1979	81 02 - SUSP 80 03	26
32	1.53	0.250	0.35	0.88	54	904	33	11 200	1 019.1	1962	83 01 - GPP	28
32	2.70	0.180	0.40	0.88	54	903	31	9 818	973.9	1980	81 12 - SUSP 83 05	29
32	3.50	0.200	0.35	0.88	54	914	31	8 710	948.5	1980	84 12	30
64	4.50	0.200	0.31	0.88	48	883	34	10 596	964.8	1982	82 09	31
64	2.50	0.200	0.35	0.88	48	893	35	10 304	1 010.5	1982	83 01	32
96	2.99	0.210	0.44	0.88	54	887	29	9 632	949.5	1983	83 09 - PREV CONF	34
253	3.23	0.255	0.29	0.88	54	904	33	10 239	1 014.2	1968	84 08	35
64	6.07	0.150	0.35	0.88	48	880	32	7 300	962.0	1983	84 09	36
64	1.70	0.170	0.40	0.88	48	870	32	7 200	954.9	1983	83 09 - PREV CONF	37
32	1.53	0.228	0.40	0.88	42	870	30	6 300	972.0	1983	83 11 - PREV CONF	38
16	14.63	0.045	0.30	0.90	53	965	39	10 740	976.6	1966	68 05 - ABAND 68 09	40
55	3.05	0.170	0.33	0.90	40	934	32	10 290	983.0	1977	83 12 - ABAND 78 05	41
64	2.00	0.150	0.20	0.87	55	880	33	9 500	1 007.5	1982	83 01	42
32	4.00	0.060	0.30	0.90	41	880	32	6 200	953.0	1983	84 12	43
32	3.00	0.110	0.30	0.80	51	921	40	9 777	1 222.5	1949	82 12 - SUSP 82 02	46
65	3.66	0.330	0.22	0.93	28	959	29	4 450	661.1	1976	82 12 - SUSP 77 06	49
307	2.00	0.330	0.31	0.96	18	952	22	3 930	667.8	1948	84 12 - GPP	50
56	2.53	0.320	0.32	0.96	20	959	20	3 890	669.3	1973	84 10 - GPP	51
16	10.67	0.240	0.45	0.90	27	927	32	6 210	707.6	1975	78 12 - SUSP 78 12	52
16	10.70	0.300	0.17	0.98	10	987	27	4 026	594.2	1978	83 12 - SUSP 81 12	55
16	2.77	0.190	0.42	0.91	44	910	34	9 270	1 104.1	1977	84 12 - SUSP 83 04	58
32	2.47	0.190	0.40	0.90	43	876	37	9 482	1 119.2	1978	83 12 - SUSP 81 11	59
64	2.00	0.150	0.50	0.88	48	858	34	10 145	1 100.5	1978	83 12	60
160	4.47	0.210	0.35	0.91	40	891	34	9 670	1 080.1	1965	83 10 - GPP	61
32	3.40	0.180	0.41	0.91	51	860	42	9 324	1 115.4	1976	82 12	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10³m³	fraction				10³m³		
1					HEAVY DENSITY POOLS (CONTINUED)				
2									
3	BIGORAY 052-08W5								
4	PEKISKO A	3 320	0.03		100		100	95.0	5.0
5									
6	BINDLOSS 022-04W4								
7	GLAUCONITIC A	43.1	0.05		2.2		2.2	.8	1.4
8	LOWER MANNVILLE A	194	0.03		5.8		5.8	3.0	2.8
9	LOWER MANNVILLE B	166	0.05		8.3		8.3	.1	8.2
10									
11	BIRCH 050-11W4								
12	GENERAL PETROLEUM A	105	0.05		5.3		5.3	1.4	3.9
13									
14	BLACK BUTTE 001-08W4								
15	MANNVILLE B	558	0.03		16.7		16.7	9.6	7.1
16									
17	BLUERIDGE 059-10W5								
18	PEKISKO A	1 720	<0.01		5.5		5.5	5.5	
19									
20	BOLLOQUE 064-25W4								
21	UPPER MANNVILLE A	246	0.01		2.5		2.5	1.3	1.2
22									
23	BONNYVILLE 060-05W4								
24	COLONY	386	<0.09		33.1		33.1	33.1	
25	COLONY B	1 070	<0.01		3.0		3.0	3.0	
26									
27	BOW ISLAND 011-11W4								
28	LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.0	3.9
29	LOWER MANNVILLE B	71.7	0.10		7.2		7.2	1.1	6.1
30									
31	BUFF COULEE 047-07W4								
32	COLONY H	139	0.05		7.0		7.0		7.0
33									
34	CESSFORD 025-13W4								
35	BASAL COLORADO A	11 800			1 800	899	2 700	1 715.8	984.2
36	TOTAL								
37	PRIMARY AREA	5 840	0.15		900		900		
38	WATER FLOOD AREA	5 990	0.15	0.15	899	899	1 800		
39									
40	MANNVILLE B	780	0.06		46.8		46.8	38.9	7.9
41	MANNVILLE C	27 000	0.09		2 430		2 430	1 881.5	548.5
42	MANNVILLE D	705	0.13		91.7		91.7	80.6	11.1
43	MANNVILLE E	286	0.10		28.6		28.6	26.3	2.3
44	MANNVILLE I	139	0.10		13.9		13.9	10.9	3.0
45									
46	MANNVILLE M	227	<0.01		.4		.4	.4	
47	MANNVILLE X	173	0.14		24.2		24.2	22.4	1.8
48	MANNVILLE NN	130	<0.01		.2		.2	.2	
49	MANNVILLE QQ	128	<0.04		4.6		4.6	4.6	
50	MANNVILLE Y&Z	3 530	0.15		530		530	246.2	283.8
51									
52	MANNVILLE GGG	81.0	0.10		8.1		8.1	5.0	3.1
53	MANNVILLE RRR	137	0.05		6.9		6.9	.2	6.7
54	MANNVILLE VVV	47.6	0.10		4.8		4.8	.4	4.4
55	MANNVILLE WWW	89.1	0.10		8.9		8.9	.6	8.3
56	MANNVILLE XXX	146	0.10		14.6		14.6	.2	14.4
57									
58	COLONY A	55.6	0.05		2.8		2.8	.2	2.6
59	BASAL QUARTZ C	789	0.10		78.9		78.9	2.0	76.9
60	PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
61									
62	CHAUVIN 043-01W4								
63	MANNVILLE A TOTAL	6 440			688	550	1 240	1 052.2	187.8
64	PRIMARY AREA	341	0.05		17.0		17.0		
65	WATER FLOOD AREA	6 100	0.11	0.09	671	550	1 220		

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m^3/m^3	kg/m^3	°C	kPa	m			
2 884	3.51	0.059	0.34	0.84	62	915	64	15 070	1 903.8	1969	80 12 - GPP	4
16	1.50	0.270	0.30	0.95	44	945	31	10 620	785.8	1982	83 01 - GPP	7
32	3.40	0.280	0.33	0.95	22	974	30	9 300	787.9	1974	81 12 - GPP	8
16	6.10	0.280	0.36	0.95	16	778	40	6 300	786.3	1981	83 01 - SUSP 82 12	9
16	4.50	0.280	0.45	0.98		965	24	4 871	643.8	1980	82 03 - SUSP 84 04	12
65	6.10	0.250	0.35	0.87	62	915	32	8 520	930.2	1969	75 12 - GPP	15
2 148	2.07	0.065	0.30	0.85	46	940	54	12 490	1 759.3	1968	74 12 - ABAND 81 03	18
65	2.44	0.250	0.35	0.96	35	946	21	5 810	863.2	1975	76 04 - GPP	21
106	2.28	0.280	0.40	0.95	5	972	16	2 520	350.5	1951	83 12 - SUSP 83 12	24
256	3.20	0.275	0.50	0.95	5	972	16	2 620	350.5	1951	75 12 - ABAND 61 09	25
16	2.50	0.200	0.35	0.95		928	31	10 686	918.8	1979	82 03	28
16	3.30	0.220	0.35	0.95	21	931	33	5 800	925.7	1980	80 12 - SUSP 84 01	29
16	4.60	0.300	0.30	0.90	18	961	92	5 500	601.7	1976	84 11	32
3 238					46	898	27	8 720	929.9	1952	82 07 - GPP	35
1 755	2.35	0.258	0.39	0.90								37
1 483	3.07	0.240	0.39	0.90								38
403	1.89	0.230	0.50	0.89	44	904	35	9 760	1 033.6	1953	82 12 - GPP	40
4 330	5.10	0.240	0.43	0.90	44	910	31	9 760	1 019.5	1951	83 12 - GPP	41
288	2.50	0.230	0.51	0.87	45	892	31	9 650	1 010.4	1953	83 11 - GPP	42
66	3.90	0.247	0.48	0.87	44	904	37	9 650	1 040.0	1962	77 12 - GPP	43
65	2.44	0.220	0.54	0.87	45	892	31	9 720	1 022.3	1951	73 12 - GPP	44
128	1.69	0.232	0.48	0.87	60	904	33	9 710	1 056.7	1975	76 12 - SUSP 77 04	46
64	3.10	0.200	0.50	0.87	45	892	31	8 540	1 019.6	1968	83 12 - GPP	47
65	1.83	0.230	0.45	0.87	48	892	31	9 580	1 009.5	1976	77 02 - SUSP 76 05	48
65	1.52	0.200	0.30	0.90	44	915	32	8 760	1 024.4	1974	77 02 - SUSP 82 11	49
1 177	2.41	0.220	0.35	0.87	45	892	35	9 550	1 001.6	1951	78 12	50
64	1.50	0.210	0.55	0.89	49	904	32	8 340	1 012.8	1977	79 01	52
32	3.00	0.230	0.31	0.90	25	919	32	7 906	1 025.5	1980	82 06	53
32	1.74	0.190	0.50	0.90	31	920	33	7 200	1 023.5	1981	82 07 - SUSP 83 12	54
32	3.20	0.200	0.50	0.87	40	944	36	9 884	1 061.3	1981	82 09 - SUSP 83 09	55
32	4.45	0.193	0.41	0.90	38	910	39	8 008	1 054.2	1982	82 11 - SUSP 82 11	56
16	3.00	0.230	0.44	0.90	40	955	38	8 680	860.5	1974	83 08 - GPP	58
192	6.55	0.140	0.46	0.83	56	865	40	9 250	1 302.9	1980	83 11	59
65	1.83	0.100	0.40	0.89	66	844	44	9 580	1 277.4	1961	61 09 - ABAND 68 05	60
844					14	921	24	4 830	630.0	1952	80 12	63
64	3.30	0.300	0.44	0.96								64
780	4.85	0.300	0.44	0.96							- GPP	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
HEAVY DENSITY POOLS (CONTINUED)								
CHAUVIN 043-01W4 (CONTINUED)								
MANNVILLE B	800	0.10		80.0		80.0	42.6	37.4
SPARKY A WATER FLOOD	300	0.10	0.10	30.0	30.0	60.0	35.7	24.3
SPARKY D	1 510	0.08		121		121	30.5	90.5
SPARKY E	216	0.05		10.8		10.8	6.4	4.4
GENERAL PETROLEUM A	234	0.02		4.7		4.7	.6	4.1
LLOYDMINSTER A	401	0.05		20.1		20.1	3.5	16.6
CUMMINGS A	556	0.02		11.1		11.1	5.8	5.3
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194	<0.01		.3		.3	.3	
COLONY A	556	0.05		27.8		27.8	13.4	14.4
COLONY B	666	0.03		20.0		20.0	15.3	4.7
COLONY H	240	0.10		24.0		24.0	12.4	11.6
SPARKY E TOTAL	3 640			255	428	683	449.4	233.6
PRIMARY AREA	1 260	0.07		88.0		88.0		
WATER FLOOD AREA	2 380	0.07	0.18	167	428	595		
SPARKY H TOTAL	2 980			209	394	603	451.0	152.0
PRIMARY AREA	791	0.07		55.4		55.4		
WATER FLOOD AREA	2 190	0.07	0.18	154	394	548		
SPARKY M	501	0.02		10.0		10.0	4.8	5.2
SPARKY O	163	0.05		8.2		8.2	4.7	3.5
SPARKY P	342	0.05		17.1		17.1	9.7	7.4
SPARKY T	66.6	0.05		3.3		3.3	2.1	1.2
SPARKY U	13.1	0.05		.7		.7		.7
SPARKY V	116	0.05		5.8		5.8	2.9	2.9
SPARKY W	234	0.05		11.7		11.7	2.1	9.6
SPARKY X	264	0.07		18.5		18.5	6.1	12.4
SPARKY AA	60.2	0.05		3.0		3.0		3.0
SPARKY A&B TOTAL	11 500			845	865	1 710	1 067.8	642.2
PRIMARY AREA	3 600	0.05		180		180		
WATER FLOOD AREA	7 860	<0.09	0.11	665	865	1 530		
SPARKY N R & S	1 910	0.05		95.6		95.6	40.0	55.6
GENERAL PETROLEUM A	67.7	0.05		3.4		3.4	1.7	1.7
REX A	90.4	0.05		4.5		4.5	.4	4.1
LLOYDMINSTER A	391	0.05		19.6		19.6	9.0	10.6
LLOYDMINSTER C	2 850	0.10		285		285	151.3	133.7
LLOYDMINSTER D TOTAL	1 730			173	132	305	235.2	69.8
PRIMARY AREA	78.6	0.10		7.9		7.9		
WATER FLOOD AREA	1 650	0.10	0.08	165	132	297		
LLOYDMINSTER E	466	<0.01		.5		.5	.5	
LLOYDMINSTER F	373	<0.02		6.9		6.9	1.0	5.9
LLOYDMINSTER G TOTAL	3 370			101	35.4	136	39.3	96.7
PRIMARY AREA	1 600	0.03		48.0		48.0		
WATER FLOOD AREA	1 770	0.03	0.02	53.1	35.4	88.5		
LLOYDMINSTER H	148	0.05		7.4		7.4	1.0	6.4
DINA A	107	<0.01		.1		.1	.1	
CHERHILL 056-05W5								
BANFF B	1 000	0.06		60.0		60.0	25.3	34.7
BANFF C	1 100	0.10		110		110	25.4	84.6
BANFF F	353	<0.01		.7		.7	.7	
CHIGWELL 041-24W4								
MANNVILLE C	342	<0.01		1.7		1.7	1.7	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP. °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
191	2.24	0.300	0.35	0.96	14	921	24	4 830	615.7	1954	84 12 - GPP	3
130	1.82	0.240	0.45	0.96	14	922	24	5 540	625.7	1980	82 07	4
655	1.27	0.300	0.37	0.96	17	950	24	4 712	589.6	1974	84 12	5
64	1.83	0.310	0.48	0.96	17	943	24	4 340	612.6	1979	84 12	6
												7
32	3.37	0.310	0.28	0.97	13	950	24	4 664	636.7	1979	83 11	8
32	6.47	0.280	0.28	0.96	16	940	25	4 600	658.7	1978	82 05	9
64	4.44	0.290	0.29	0.95	21	956	26	4 452	637.6	1978	82 09 - GPP	10
												11
												12
16	5.40	0.320	0.23	0.91	45	985	24	3 884	608.9	1979	80 06 - SUSP 80 12	13
64	4.42	0.292	0.30	0.95	14	927	25	4 220	608.1	1963	83 03	14
32	9.45	0.320	0.29	0.97	9	972	33	4 010	592.2	1972	80 12 - GPP	15
32	3.53	0.290	0.26	0.99	12	956	24	4 080	564.6	1978	82 03 - GPP	16
												17
799					14	910	24	4 790	643.8	1969	84 12	18
244	2.50	0.290	0.26	0.96								19
563	2.05	0.290	0.26	0.96							- GPP	20
450					20	898	28	4 730	628.3	1971	83 05	21
125	2.56	0.307	0.16	0.96								22
												23
325	2.72	0.307	0.16	0.96							- GPP	24
65	3.66	0.310	0.29	0.96	16	921	10	5 020	610.8	1973	83 12	25
32	2.42	0.300	0.28	0.96	18	932	15	4 700	616.8	1977	83 04	26
80	2.65	0.280	0.40	0.96	24	918	16	4 890	643.5	1978	81 12	27
48	1.00	0.260	0.45	0.97	12	945	29	4 672	650.8	1979	81 12 - GPP	28
												29
16	.90	0.190	0.50	0.96	11	969	28	4 922	666.9	1980	81 09	30
16	3.00	0.300	0.16	0.96	14	934	30	4 529	622.5	1981	82 05	31
32	6.28	0.240	0.50	0.97	12	925	25	3 200	658.0	1982	83 05 - GPP	32
48	2.65	0.300	0.28	0.96	18	933	20	3 550	623.8	1978	84 09	33
32	1.00	0.280	0.30	0.96	20	898	28	4 830	652.5	1981	84 07	34
												35
1 254					16	910	31	4 620	653.2	1952	84 12	36
400	4.62	0.290	0.30	0.96								37
854	4.72	0.290	0.30	0.96							- GPP	38
656	1.70	0.270	0.38	0.96	18	921	24	4 522	624.1	1969	83 12	39
16	3.00	0.210	0.30	0.96	15	970	25	3 750	662.5	1981	82 09 - GPP	40
												41
16	4.50	0.230	0.40	0.91	14	985	28	3 865	627.8	1983	84 02- PREV CONF	42
32	6.53	0.300	0.35	0.96	14	952	18	5 100	659.7	1963	79 08 - GPP	43
699	1.94	0.300	0.27	0.96	14	940	25	4 520	665.1	1953	82 12 - GPP	44
422					14	940	24	4 730	696.6	1968	82 05	45
32	1.42	0.280	0.36	0.97								46
												47
390	1.71	0.300	0.15	0.97							- GPP	48
65	3.66	0.270	0.24	0.96	14	940	24	4 960	699.8	1969	73 02 - SUSP 71 10	49
96	1.90	0.300	0.29	0.96	14	904	27	4 670	650.9	1974	80 12	50
336					15	970	25	3 640	648.9	1978	84 02 - GPP	51
160	5.13	0.290	0.30	0.96								52
												53
176	5.16	0.290	0.30	0.96								54
16	4.50	0.330	0.35	0.96	18	931	22	4 630	644.8	1982	82 07	55
16	3.05	0.300	0.24	0.97	13	947	27	5 070	672.1	1978	79 01 - SUSP 78 09	56
												57
												58
249	5.40	0.140	0.40	0.89	51	915	43	10 890	1 393.2	1969	82 10	59
112	9.30	0.180	0.32	0.86	48	911	64	10 920	1 394.0	1977	83 10	60
32	17.20	0.120	0.40	0.89	46	920	40	11 345	1 463.8	1981	83 12 - ABAND 83 12	61
												62
												63
65	4.88	0.170	0.25	0.85	69	887	50	11 410	1 485.6	1969	74 12 - ABAND 73 08	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	POOL	1 INITIAL VOLUME IN-PLACE 10³m³	2 POOL RECOVERY PRIMARY fraction	3 POOL RECOVERY ENHANCED fraction	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISED RESERVES 10³m³
1	HEAVY DENSITY POOLS (CONTINUED)								
2									
3	CHIN COULEE 007-14W4								
4	BASAL MANNVILLE A	3 890			389	502	891	745.6	145.4
5	TOTAL								
6	PRIMARY AREA	548	0.10		54.8		54.8		
7	WATER FLOOD AREA	3 340	0.10	0.15	334	502	836		
8									
9	COMPEER 033-02W4								
10	LOWER MANNVILLE A	118	0.10		11.8		11.8	6.3	5.5
11	LOWER MANNVILLE B	158	<0.01		.1		.1	.1	
12									
13	CONNORSVILLE 025-15W4								
14	LOWER MANNVILLE C	27.0	0.10		2.7		2.7		2.7
15									
16	CONRAD 006-15W4								
17	ELLIS	2 540	0.20		509		509	498.0	11.0
18									
19	COUNTESS 021-16W4								
20	UPPER MANNVILLE B	3 970			379	900	1 280	1 031.6	248.4
21	TOTAL								
22	PRIMARY AREA	373	0.05		18.7		18.7		
23	WATER FLOOD AREA	3 600	0.10	0.25	360	900	1 260		
24									
25	UPPER MANNVILLE D	12 900			1 290	3 810	5 100	4 379.5	720.5
26	TOTAL								
27	PRIMARY AREA	1 400	0.10		140		140		
28	WATER FLOOD AREA	11 500	0.10	0.33	1 150	3 810	4 960		
29	UPPER MANNVILLE F	1 750			164	445	609	464.8	144.2
30	TOTAL								
31									
32	PRIMARY AREA	157	0.03		4.7		4.7		
33	WATER FLOOD AREA	1 590	0.10	0.28	159	445	604		
34	UPPER MANNVILLE H	5 400	0.10	0.26	540	1 400	1 940	1 811.9	128.1
35	WATER FLOOD								
36	UPPER MANNVILLE J	429	<0.09		37.8		37.8	30.2	7.6
37									
38	UPPER MANNVILLE L	208	0.10		20.8		20.8	16.0	4.8
39	UPPER MANNVILLE M	556	0.15	0.15	83.4	83.4	167	112.3	54.7
40	WATER FLOOD								
41	UPPER MANNVILLE O	2 540	0.15	0.32	381	814	1 200	575.6	624.4
42	WATER FLOOD								
43									
44	UPPER MANNVILLE T	51.0	0.10		5.1		5.1	1.2	3.9
45	UPPER MANNVILLE U	170	0.10		17.0		17.0	3.5	13.5
46	UPPER MANNVILLE Y	144	0.10		14.4		14.4		14.4
47	UPPER MANNVILLE HH	68.8	0.10		6.9		6.9	.9	6.0
48	LOWER MANNVILLE A	211	<0.01		.4		.4	.4	
49									
50	LOWER MANNVILLE C	319	0.01		.6		.6	.6	
51	LOWER MANNVILLE F	134	0.05		6.7		6.7	5.2	1.5
52	LOWER MANNVILLE G	251	0.05		12.6		12.6	2.7	9.9
53	LOWER MANNVILLE H	196	0.02		3.9		3.9	.7	3.2
54	LOWER MANNVILLE I	61.7	0.05		3.1		3.1		3.1
55									
56	LOWER MANNVILLE J	105	<0.01		.3		.3	.3	
57	LOWER MANNVILLE K	87.0	0.03		2.6		2.6	.2	2.4
58	LOWER MANNVILLE L	257	0.02		5.1		5.1	.5	4.6
59	BASAL QUARTZ B	126	<0.03		3.1		3.1	3.1	
60	PEKISKO B	66.6	0.10		6.7		6.7	.1	6.6
61									
62	PEKISKO C	88.1	0.05		4.4		4.4		4.4
63									
64	DAVID 041-03W4								
65	LLOYDMINSTER A TOTAL	2 300			299	268	567	387.7	179.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
												3
1 414					5	915	32	9 890	917.8	1960	83 03 – GPP	4
												5
190	2.56	0.194	0.40	0.97								6
1 224	2.42	0.194	0.40	0.97								7
												8
												9
32	2.80	0.230	0.37	0.92	35	934	32	6 158	898.2	1978	79 10	10
16	5.00	0.280	0.25	0.94	27	959	28	8 150	885.3	1980	83 12 – SUSP 80 12	11
												12
												13
64	1.50	0.080	0.60	0.89	52	893	32	8 890	990.9	1978	79 02 – SUSP 78 12	14
												15
												16
1 475	1.52	0.198	0.35	0.88	53	904	30	10 340	926.6	1944	77 12 – GPP	17
												18
												19
592					45	887	37	10 780	1 091.5	1965	84 08	20
												21
64	3.80	0.230	0.25	0.89								22
528	4.09	0.240	0.22	0.89							– GPP	23
												24
1 538					45	904	36	10 840	1 056.7	1967	84 09	25
												26
213	4.27	0.234	0.26	0.89								27
1 325	4.88	0.250	0.20	0.89							– GPP	28
194					45	887	34	10 850	1 075.3	1967	82 12 – GPP	29
												30
												31
32	3.20	0.230	0.25	0.89								32
162	6.40	0.230	0.25	0.89								33
663	5.33	0.220	0.22	0.89	50	898	32	11 090	1 072.0	1968	82 12 – GPP	34
												35
128	2.40	0.220	0.30	0.89	44	887	33	10 950	1 075.8	1970	81 06 – GPP	36
												37
65	2.29	0.207	0.24	0.89	45	881	39	10 690	1 082.3	1971	72 08	38
32	14.02	0.230	0.38	0.86	59	892	38	11 130	1 079.9	1972	78 06 – GPP	39
												40
170	8.14	0.260	0.17	0.85	51	915	36	10 670	1 067.7	1973	77 12 – GPP	41
												42
												43
65	.91	0.150	0.34	0.86	60	892	32	10 230	1 049.0	1977	78 12 – SUSP 83 10	44
32	4.00	0.230	0.35	0.89	41	890	33	9 720	1 079.5	1978	79 02 – GPP	45
64	3.50	0.120	0.40	0.89	40	861	36	9 760	1 056.0	1980	81 09	46
32	1.50	0.230	0.30	0.89	43	887	37	7 100	1 108.3	1983	84 05 – PREV CONF	47
32	5.79	0.250	0.50	0.90	41	898	34	11 480	1 105.8	1968	73 12 – ABAND 72 11	48
												49
65	2.74	0.270	0.25	0.89	42	915	38	10 800	1 139.0	1974	83 12 – ABAND 77 01	50
32	4.30	0.190	0.42	0.89	48	892	34	11 066	1 131.1	1975	79 12	51
64	4.00	0.160	0.28	0.85	66	864	34	10 800	1 113.9	1979	80 01	52
64	5.00	0.160	0.55	0.85	75	869	36	10 635	1 347.5	1980	84 05 – GPP	53
64	1.80	0.140	0.55	0.85	53	855	41	10 252	1 334.9	1980	81 08 – SUSP 81 05	54
												55
32	3.60	0.170	0.40	0.89	38	910	37	11 214	1 098.6	1981	82 09 – ABAND 83 03	56
64	2.00	0.160	0.50	0.85	58	865	40	8 200	1 362.2	1981	83 10 – SUSP 84 05	57
64	7.50	0.140	0.55	0.85	76	869	36	10 208	1 357.5	1981	84 05 – GPP	58
32	2.96	0.239	0.35	0.85	47	915	38	10 160	1 310.6	1964	70 05 – ABAND 78 04	59
64	4.50	0.040	0.35	0.89	43	864	38	6 200	1 174.3	1980	83 10 – SUSP 83 09	60
												61
64	3.60	0.060	0.25	0.85	64	875	39	9 500	1 363.7	1981	84 12	62
												63
												64
259					10	915	31	5 480	765.7	1969	83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
HEAVY DENSITY POOLS (CONTINUED)								
DAVID 041-03W4 (CONTINUED)								
PRIMARY AREA	71.7	0.13		9.3		9.3		
WATER FLOOD AREA	2 230	0.13	0.12	290	268	558		
LLOYDMINSTER B	461	0.05		23.0		23.0	20.3	2.7
LLOYDMINSTER C	3 190	0.07		223	ERSO	223	122.4	100.6
LLOYDMINSTER D	14.7	0.05		.7		.7		.7
DINA A	345	0.05		17.3		17.3	4.5	12.8
DERWENT 054-07W4								
MCLAREN A	179	0.05		9.0		9.0	1.4	7.6
DINA 044-01W4								
SPARKY	800	0.10		80.0		80.0	60.4	19.6
EDGERTON 045-04W4								
COLONY G	73.1	0.05		3.7		3.7	.7	3.0
LLOYDMINSTER A	151	0.05		7.6		7.6	6.0	1.6
LLOYDMINSTER B	200	0.05		10.0		10.0	.5	9.5
LLOYDMINSTER C	53.1	0.05		2.7		2.7	.6	2.1
LLOYDMINSTER D	55.6	<0.01		.1		.1	.1	
LLOYDMINSTER E	131	0.05		6.5		6.5	4.3	2.2
DETRITAL B	9.8	0.05		.5		.5		.5
D-2 A	270	0.10		27.0		27.0	3.4	23.6
ELK POINT 056-06W4								
GENERAL PETROLEUM A	112	0.01		1.1		1.1		1.1
GENERAL PETROLEUM B	147	0.01		1.5		1.5	.7	.8
ENCHANT 014-16W4								
UPPER MANNVILLE B	219	0.06		13.1		13.1	10.3	2.8
UPPER MANNVILLE D	605	<0.01		2.6		2.6	2.6	
UPPER MANNVILLE H	40.4	0.10		4.0		4.0	3.1	.9
UPPER MANNVILLE I	112	0.10		11.3		11.3	2.7	8.6
UPPER MANNVILLE M	50.7	0.05		2.5		2.5	.2	2.3
LOWER MANNVILLE B	332	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122	0.10		12.2		12.2	.4	11.8
LOWER MANNVILLE F	178	0.05		8.9		8.9	.6	8.3
SUNBURST A	189	0.01		1.9		1.9	1.8	.1
ESTHER 032-02W4								
UPPER MANNVILLE B	1 000	0.10		100		100	52.5	47.5
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.0	5.8
BANFF F	87.6	0.05		4.4		4.4	3.9	.5
EYREMORE 018-18W4								
LOWER MANNVILLE A	331	<0.01		.1		.1	.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373	0.05		18.7		18.7	5.4	13.3
GILBY 041-03W5								
RUNDLE K	625	0.02		12.6		12.6	8.7	3.9
GLADYS 020-27W4								
RUNDLE D	366	<0.01		.1		.1	.1	
GLENEVIS 055-04W5								
BANFF	3 620	0.45		1 630		1 630	1 221.9	408.1
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	0.05		4.2		4.2	.8	3.4

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
16	2.20	0.280	0.25	0.97								3
243	4.35	0.290	0.25	0.97								4
65	3.66	0.270	0.25	0.96	23	910	24	5 480	741.9	1969	71 01	5
384	3.39	0.300	0.15	0.96	18	911	28	5 380	766.3	1975	83 04	6
												7
16	1.50	0.160	0.60	0.96	15	925	32	4 100	776.3	1982	82 12 - PREV CONF	8
32	5.41	0.270	0.24	0.97	11	917	31	2 800	788.5	1981	84 10 - GPP	9
												10
												11
16	6.00	0.280	0.32	0.98	9	987	23	3 800	498.5	1980	81 01 - GPP	12
												13
												14
385	1.32	0.270	0.38	0.94	13	972	25	4 340	554.7	1948	84 12 - GPP	15
												16
												17
16	2.90	0.250	0.35	0.97	13	938	25	4 052	644.0	1979	82 06	18
16	5.18	0.240	0.21	0.96	12	940	25	4 275	685.5	1975	78 12 - SUSP 83 05	19
16	4.90	0.330	0.20	0.96	12	934	25	4 260	674.5	1977	78 05	20
16	2.00	0.270	0.36	0.96	14	959	33	4 700	655.2	1980	80 07 - GPP	21
												22
16	2.00	0.270	0.33	0.96	12	951	25	3 800	686.5	1980	84 12 - SUSP 83 05	23
32	1.80	0.300	0.21	0.96	12	946	25	4 311	703.9	1979	81 04 - GPP	24
16	.60	0.190	0.44	0.96	14	959	28	3 450	633.5	1984	84 11	25
48	4.82	0.190	0.36	0.96	17	959	25	4 200	642.5	1983	84 12	26
												27
												28
16	3.00	0.290	0.18	0.98	6	990	30	2 550	476.5	1981	82 06	29
16	4.10	0.300	0.24	0.98	6	990	30	2 560	485.6	1981	82 06	30
												31
												32
64	2.65	0.240	0.40	0.89	48	915	30	11 310	978.7	1966	82 12 - GPP	33
361	1.52	0.200	0.38	0.89	56	915	27	10 650	983.9	1968	70 02 - SUSP 70 12	34
16	3.10	0.140	0.35	0.90	46		23	11 470	1 014.1	1977	79 12	35
65	1.83	0.180	0.38	0.85	62	855	24	10 870	1 015.3	1977	78 09	36
												37
16	2.50	0.210	0.33	0.90	35	931	60	9 850	1 041.5	1981	83 02	38
65	4.57	0.220	0.40	0.85	53	855	38	11 510	1 040.9	1968	69 06 - ABAND 69 09	39
32	3.00	0.220	0.35	0.89	15		24	12 130	1 093.9	1978	79 02	40
64	3.00	0.160	0.35	0.89	53	855	34	11 180	999.8	1978	79 12	41
65	3.96	0.150	0.40	0.82	82	855	38	11 190	1 032.7	1976	84 12 - SUSP 82 12	42
												43
												44
384	1.46	0.250	0.25	0.95	24	959	29	7 330	720.5	1977	83 12	45
32	2.70	0.170	0.47	0.95	22	950	25	6 977	759.0	1979	83 12 - GPP	46
16	3.00	0.320	0.40	0.95	20	948	30	7 416	793.9	1969	83 01 - GPP	47
												48
												49
64	5.20	0.180	0.35	0.85	67	881	33	9 880	1 152.9	1978	82 12 - SUSP 78 12	50
												51
												52
64	7.15	0.150	0.44	0.97	10	935	30	9 038	908.7	1969	83 05	53
												54
												55
65	19.14	0.075	0.17	0.81	66	915	69	15 400	2 056.8	1971	75 12	56
												57
												58
32	25.50	0.120	0.55	0.83	74	948	54	18 530	2 032.5	1979	82 12 - ABAND 82 02	59
												60
												61
537	10.49	0.113	0.36	0.89	43	934	43	10 580	1 325.9	1954	79 12 - GPP	62
												63
												64
16	4.00	0.210	0.35	0.95	21	975	30	8 887	936.6	1980	81 01 - SUSP 83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

POOL	1 INITIAL VOLUME IN-PLACE	2 POOL RECOVERY PRIMARY	3 ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 ENHANCED	6 TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
HEAVY DENSITY POOLS (CONTINUED)								
GRAINDALE 026-02W4 (CONTINUED)								
LOWER MANNVILLE D	83.0	<0.01		.1		.1	.1	
GRAND FORKS 011-13W4								
UPPER MANNVILLE A	170	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE B WATER FLOOD	2 950	0.15	0.27	443	797	1 240	832.8	407.2
UPPER MANNVILLE C	841	0.10		84.1		84.1	52.2	31.9
UPPER MANNVILLE D	266	0.15		39.9		39.9	18.9	21.0
UPPER MANNVILLE E	48.5	0.05		2.4		2.4	1.0	1.4
UPPER MANNVILLE RR	131	0.10		13.1		13.1		13.1
LOWER MANNVILLE A	2 650	0.25		663		663	484.4	178.6
LOWER MANNVILLE B	676	0.15		101		101	9.1	91.9
LOWER MANNVILLE C	1 880	0.15		282		282	183.8	98.2
LOWER MANNVILLE D TOTAL	14 700			1 770	3 800	5 570	4 070.9	1 499.1
PRIMARY AREA	1 080	0.12		130		130		
WATER FLOOD AREA	13 600	0.12	0.28	1 640	3 800	5 440		
LOWER MANNVILLE E WATER FLOOD	3 600	<0.30	0.13	1 080	450	1 530	828.2	701.8
LOWER MANNVILLE F TOTAL	900			90.0	120	210	136.9	73.1
PRIMARY AREA	100	0.10		10.0		10.0		
WATER FLOOD AREA	800	0.10	0.15	80.0	120	200		
LOWER MANNVILLE G TOTAL	1 480			148	442	590	459.9	130.1
PRIMARY AREA	64.8	<0.01		.1		.1		
WATER FLOOD AREA	1 420	0.10	0.30	148	442	590		
LOWER MANNVILLE H WATER FLOOD	524	0.30	0.05	157	26.2	183	55.3	127.7
LOWER MANNVILLE I	421	0.08		33.7		33.7	20.8	12.9
LOWER MANNVILLE J	300	0.10		30.0		30.0	3.2	26.8
LOWER MANNVILLE K WATER FLOOD	3 000	0.15	0.35	450	1 050	1 500	1 337.8	162.2
LOWER MANNVILLE L TOTAL	404			60.6	9.6	70.2	40.8	29.4
PRIMARY AREA	212	0.15		31.8		31.8		
WATER FLOOD AREA	192	0.15	0.05	28.8	9.6	38.4		
LOWER MANNVILLE M	117	<0.01		.1		.1	.1	
LOWER MANNVILLE N	460	0.10		46.0		46.0	11.2	34.8
LOWER MANNVILLE O	31.8	<0.01		.1		.1		.1
LOWER MANNVILLE U	213	0.10		21.3		21.3	10.0	11.3
LOWER MANNVILLE V	196	0.10		19.6		19.6	4.9	14.7
LOWER MANNVILLE X	148	0.05		7.4		7.4	1.1	6.3
LOWER MANNVILLE Y	80.2	0.10		8.0		8.0	3.1	4.9
LOWER MANNVILLE Z	32.0	0.10		3.2		3.2	1.4	1.8
LOWER MANNVILLE AA	196	0.03		5.9		5.9	1.4	4.5
LOWER MANNVILLE BB	1 370	0.15		206		206	150.6	55.4
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	.4	2.1
LOWER MANNVILLE DD	72.2	0.10		7.2		7.2	2.6	4.6
LOWER MANNVILLE EE	35.6	0.10		3.6		3.6	.9	2.7
LOWER MANNVILLE FF	175	0.04		7.3		7.3	7.3	
LOWER MANNVILLE GG	239	0.10		23.9		23.9	20.0	3.9
LOWER MANNVILLE HH	228	0.05		11.4		11.4	9.7	1.7

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP.	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	fraction			m^3/m^3	kg/m^3	°C	kPa	m		
16	4.20	0.200	0.35	0.95	25	993	33	8 811	967.7	1980	81 04 - SUSP 83 02
65	2.13	0.200	0.35	0.95	18	921	36	10 590	912.6	1972	73 03 - ABAND 73 04
239	5.83	0.270	0.27	0.96	17	887	34	10 750	921.7	1971	83 12 - GPP
200	2.93	0.260	0.42	0.95	16	921	31	10 450	936.3	1975	84 12 - GPP
64	2.10	0.260	0.20	0.95	17	887	37	10 190	890.0	1976	84 12
32	2.20	0.150	0.52	0.96	18	886	34	3 551	912.1	1983	83 12 - PREV CONF
32	4.30	0.180	0.40	0.88	50	888	31	7 700	990.2	1980	83 12
412	3.86	0.250	0.29	0.94	20	904	33	10 690	887.9	1965	83 12 - GPP
57	7.47	0.260	0.35	0.94	20	904	33	10 790	902.8	1965	80 12 - GPP
247	4.67	0.250	0.25	0.87	21	887	33	10 830	911.0	1966	84 12 - GPP
833					30	881	31	10 620	907.7	1968	84 12
96	7.64	0.220	0.31	0.97							
737	10.15	0.250	0.25	0.97							- GPP
968	2.18	0.250	0.29	0.96	18	887	31	10 780	917.7	1957	84 05 - GPP
153					40	946	32	10 650	908.9	1971	83 12 - GPP
25	2.50	0.230	0.30	0.96							
128	4.45	0.240	0.39	0.96							
333					21	887	33	10 760	933.6	1971	84 08
16	2.25	0.250	0.25	0.96							
317	2.39	0.260	0.25	0.96							- GPP
86	3.17	0.260	0.23	0.96	21	934	32	10 620	952.2	1971	84 09 - GPP
64	3.90	0.250	0.29	0.95	21	904	43	10 580	909.8	1953	79 12 - GPP
32	6.10	0.270	0.40	0.95	19	887	83	10 310	897.3	1973	80 12 - SUSP 83 05
287	6.22	0.250	0.30	0.96		892	32	10 310	908.9	1973	84 12 - GPP
100					21	892	33	10 580	940.9	1973	84 12
58	2.00	0.260	0.26	0.95							
42	2.50	0.260	0.26	0.95							- GPP
32	3.35	0.160	0.29	0.95	21	921	33	10 790	901.0	1974	75 02 - ABAND 78 04
64	4.16	0.230	0.21	0.95	23	899	34	10 780	902.8	1971	82 04
16	1.22	0.260	0.35	0.95	19	887	34	10 410	943.1	1974	83 12 - SUSP 76 05
16	9.10	0.250	0.37	0.94	25	910	32	10 560	871.8	1980	83 12
32	3.65	0.230	0.24	0.96	33	895	30	10 460	920.8	1981	82 09
16	5.20	0.240	0.23	0.96	16	933	33	10 284	901.0	1981	82 12
32	1.23	0.300	0.30	0.97	9	952	34	10 518	929.7	1972	77 12 - GPP
16	1.29	0.180	0.12	0.98	10	946	21	10 449	948.7	1978	80 07 - SUSP 84 03
64	2.08	0.250	0.33	0.88	50	921	34	12 400	963.3	1979	82 09
128	7.10	0.240	0.27	0.86					955.9	1954	82 09 - GPP
32	1.50	0.120	0.55	0.95	18	888	34	8 518	912.4	1981	82 12
16	4.00	0.240	0.50	0.94	22	910	32	10 415	866.0	1982	82 12 - GPP
32	1.20	0.150	0.35	0.95	16	886	31	2 990	867.8	1982	83 02
32	3.40	0.220	0.23	0.95	18	892	42	10 545	867.2	1965	83 05 - GPP
42	4.00	0.200	0.25	0.95	18	892	42	9 740	873.7	1975	83 05 - GPP
32	6.30	0.220	0.46	0.95	18	892	42	10 583	895.4	1979	83 05 - GPP

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1					HEAVY DENSITY POOLS (CONTINUED)				
2	GRAND FORKS 011-13W4 (CONTINUED)								
3	LOWER MANNVILLE II	3 100	0.20	0.25	610	358	968	76.9	891.1
4	TOTAL								
5	PRIMARY AREA	1 620	0.20		324		324		
6	WATER FLOOD AREA	1 430	0.20	0.25	286	358	644		
7									
8	LOWER MANNVILLE JJ	54.7	0.05		2.7		2.7		2.7
9	SAWTOOTH A	254	0.15		38.1		38.1	32.6	5.5
10	SAWTOOTH B	316	0.05		15.8		15.8	9.7	6.1
11	SAWTOOTH C	69.2	0.10		6.9		6.9	5.0	1.9
12	SAWTOOTH D	797	0.10		79.7		79.7	31.2	48.5
13									
14	SAWTOOTH E	21.9	0.10		2.2		2.2	1.4	.8
15	SAWTOOTH F	163	0.10		16.3		16.3	7.4	8.9
16	SAWTOOTH G	33.6	0.10		3.4		3.4	1.8	1.6
17	SAWTOOTH H	71.3	0.10		7.1		7.1	5.0	2.1
18	SAWTOOTH I	432	0.08		34.6		34.6	25.1	9.5
19									
20	SAWTOOTH J	107	0.10		10.7		10.7	7.3	3.4
21	SAWTOOTH L	805	0.20		161		161	48.0	113.0
22									
23	GREENCOURT 059-09W5								
24	PEKISKO A	2 510	0.04		100		100	66.3	33.7
25	PEKISKO C	136	<0.01		.5		.5	.5	
26									
27	GREENCOURT EAST 059-06W5								
28	JURASSIC A	88.0	<0.01		.4		.4	.4	
29	BANFF A	180	<0.01		.3		.3	.3	
30	BANFF B	135	<0.01		.6		.6	.6	
31									
32	GUNN 055-03W5								
33	BANFF A	150	0.10		15.0		15.0	1.1	13.9
34									
35	HAIRY HILL 055-14W4								
36	VIKING K	36.9	0.05		1.8		1.8		1.8
37	COLONY T	60.8	0.05		3.0		3.0	.1	2.9
38									
39	HARO 103-06W6								
40	PEKISKO B	981	0.05		49.1		49.1		49.1
41									
42	HAROLD LAKE 063-04W4								
43	COLONY	129	<0.02		1.5		1.5	1.5	
44									
45	HAYS 013-14W4								
46	UPPER MANNVILLE A	302	0.10		30.2		30.2	.6	29.6
47	LOWER MANNVILLE A	3 600	0.16	0.29	576	1 040	1 620	1 345.3	274.7
48	WATER FLOOD								
49	LOWER MANNVILLE B	1 010	0.10		101		101	61.6	39.4
50									
51	LOWER MANNVILLE C	600	0.40		240		240	115.6	124.4
52	LOWER MANNVILLE D	710	0.10		71.0		71.0	62.5	8.5
53	LOWER MANNVILLE G	108	0.12		13.0		13.0	9.3	3.7
54	LOWER MANNVILLE H	85.5	0.05		4.3		4.3		4.3
55	LOWER MANNVILLE I	49.6	0.10		5.0		5.0	2.0	3.0
56									
57	LOWER MANNVILLE J	105	<0.01		.1		.1	.1	
58	LOWER MANNVILLE K	194	0.10		19.4		19.4	3.8	15.6
59									
60	HAYTER 041-01W4								
61	UPPER MANNVILLE A	90.1	0.05		4.5		4.5	2.3	2.2
62	COLONY A	111	<0.01		.1		.1		.1
63	COLONY B	282	0.05		14.1		14.1	3.3	10.8
64	SPARKY A TOTAL	3 560			250	92.5	343	221.0	122.0

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
524					31	885	32	10 665	926.9	1983	84 12	3
												4
272	3.71	0.250	0.41	0.93								5
252	3.23	0.270	0.30	0.93							- GPP	6
												7
32	3.00	0.200	0.70	0.95	16	886	31	2 990	858.0	1983	83 11 - PREV CONF	8
64	3.80	0.180	0.39	0.95	18	892	42	10 720	884.2	1965	83 05 - GPP	9
64	4.12	0.180	0.30	0.95	18	909	42	10 760	934.7	1978	80 07	10
16	3.50	0.200	0.35	0.95	20	922	30	10 370	897.5	1980	80 08 - GPP	11
96	7.60	0.231	0.50	0.95	20	912	31	10 531	926.9	1980	84 10	12
												13
16	1.00	0.240	0.40	0.95	17	935	39	10 819	951.0	1981	82 08	14
64	2.80	0.120	0.20	0.95	18	903	42	10 846	898.9	1979	83 12	15
32	.90	0.150	0.18	0.95	18	931	42	10 561	933.2	1980	83 12	16
64	1.00	0.170	0.31	0.95	20	4	37	10 563	953.5	1978	79 05	17
80	3.20	0.240	0.26	0.95	18	892	42	10 124	900.6	1958	84 12 - GPP	18
												19
32	3.06	0.240	0.52	0.95	19	891	32	3 400	885.0	1983	84 08	20
96	6.19	0.230	0.38	0.95	20	891	32	10 670	865.2	1979	84 12 - GPP	21
												22
												23
540	5.30	0.130	0.25	0.90	49	915	58	11 090	1 456.3	1961	82 12 - GPP	24
65	3.35	0.090	0.20	0.87	48	898	60	11 200	1 474.2	1968	69 01 - SUSP 70 05	25
												26
												27
32	3.00	0.180	0.40	0.85	46	915	70	10 799	1 247.8	1980	84 12 - SUSP 83 05	28
32	9.30	0.100	0.32	0.89		922	50	10 171	1 255.7	1981	84 12 - SUSP 84 04	29
32	10.78	0.074	0.40	0.88	43	934	51	9 353	1 245.8	1980	84 12 - SUSP 84 04	30
												31
												32
64	3.50	0.100	0.25	0.89	46	933	43	10 240	1 350.0	1978	80 02 - GPP	33
												34
												35
32	1.60	0.160	0.50	0.90	41	904	22	6 550	486.0	1976	84 04	36
16	2.00	0.300	0.36	0.99	10	952	20	3 648	541.0	1982	83 02 - SUSP 82 12	37
												38
												39
64	13.10	0.160	0.23	0.95	50	915	27	2 946	630.7	1980	83 05	40
												41
												42
65	1.52	0.250	0.45	0.95	10	952	13	2 610	335.3	1955	65 12 - ABAND 68 07	43
												44
												45
64	2.50	0.300	0.30	0.90	52	890	31	8 200	951.3	1983	84 01 - PREV CONF	46
386	4.94	0.280	0.25	0.90	38	865	31	10 363	950.4	1964	83 12	47
												48
302	2.24	0.250	0.32	0.88	21	904	31	10 950	974.3	1967	83 12	49
												50
154	2.86	0.270	0.44	0.90	21	898	38	10 940	956.2	1967	81 01	51
97	3.81	0.280	0.22	0.88	60	887	32	10 920	953.1	1969	78 05	52
64	2.14	0.160	0.44	0.88	21	887	30	10 940	963.2	1978	80 12	53
16	3.50	0.240	0.33	0.95	21	959	32	11 140	997.5	1978	79 06	54
32	1.00	0.220	0.20	0.88	37	865	28	12 218	946.0	1980	83 12	55
												56
32	2.50	0.240	0.38	0.88	50	883	32	10 573	977.3	1982	82 07 - SUSP 82 07	57
64	1.89	0.260	0.33	0.92	37	893	58	5 586	953.4	1983	84 09	58
												59
												60
32	2.20	0.220	0.40	0.97	12	930	27	5 191	809.3	1980	83 12	61
16	5.20	0.250	0.45	0.97	14	951	26	4 438	618.0	1980	80 10 - SUSP 80 11	62
64	2.81	0.260	0.38	0.97	11	972	28	3 200	682.8	1983	84 07	63
1 224					13	910	29	5 690	795.2	1968	84 10	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^{3}m^3	fraction		10^{3}m^3				
1	HEAVY DENSITY POOLS (CONTINUED)								
2	HAYTER 041-01W4 (CONTINUED)								
3	PRIMARY AREA	484	0.07		34.0		34.0		
4	WATER FLOOD AREA	3 080	0.07	0.03	216	92.5	309		
5	SPARKY B	262	0.05		13.2		13.2	6.1	7.1
6	SPARKY C	162	0.05		8.1		8.1	.7	7.4
7									
8	SPARKY G	63.0	0.05		3.2		3.2	1.8	1.4
9	SPARKY H	36.2	<0.01		.2		.2	.2	
10	SPARKY I	89.1	0.05		4.4		4.4	1.1	3.3
11	SPARKY J	51.4	0.10		5.1		5.1	1.7	3.4
12	SPARKY K	34.6	0.05		1.7		1.7	.9	.8
13									
14	SPARKY L	378	0.05		18.9		18.9	4.1	14.8
15	SPARKY M	99.1	0.05		5.0		5.0	2.2	2.8
16	SPARKY N	115	0.05		5.7		5.7	.2	5.5
17	SPARKY O	62.5	0.05		3.1		3.1	.2	2.9
18	SPARKY R	29.4	0.05		1.5		1.5	.3	1.2
19									
20	SPARKY D&E	705	0.10		70.5		70.5	43.7	26.8
21	LLOYDMINSTER A	71.0	0.05		3.6		3.6		3.6
22	LLOYDMINSTER B	60.2	0.05		3.0		3.0	1.5	1.5
23	CUMMINGS A	57.0	0.05		2.9		2.9	.8	2.1
24	DINA A TOTAL	9 400			376	420	796	257.2	538.8
25									
26	PRIMARY AREA	2 400	0.04		96.0		96.0		
27	WATER FLOOD AREA	7 000	0.04	0.06	280	420	700		
28	DINA B	32 300	0.02		646		646	204.6	441.4
29	DINA C	945	0.02		18.9		18.9	7.8	11.1
30	DINA D	356	0.03		10.7		10.7	4.8	5.9
31									
32	DINA E	67.6	<0.01		.1		.1		.1
33	DINA F	456	0.03		13.7		13.7	3.3	10.4
34	DINA H	252	0.05		12.6		12.6	2.0	10.6
35									
36	HECTOR 016-17W4								
37	UPPER MANNVILLE B	158	0.10		15.8		15.8	1.4	14.4
38									
39	HORSEFLY LAKE 008-16W4								
40	MANNVILLE TOTAL	6 380			516	680	1 200	909.2	290.8
41	PRIMARY AREA	721	0.05		36.1		36.1		
42	WATER FLOOD AREA	5 660	<0.08	0.13	480	680	1 160		
43									
44	ISLAY 050-04W4								
45	CUMMINGS A	113	<0.01		.1		.1		.1
46									
47	JENNER 020-09W4								
48	UPPER MANNVILLE A	260	0.11		28.6		28.6	23.5	5.1
49	UPPER MANNVILLE E	3 810	0.10	0.15	381	572	953	698.9	254.1
50	WATER FLOOD								
51	UPPER MANNVILLE F	4 260	0.04		170		170	134.3	35.7
52									
53	UPPER MANNVILLE M	242	<0.01		.2		.2		.2
54	UPPER MANNVILLE O	2 480	0.05		124		124	55.9	68.1
55	UPPER MANNVILLE V	130	0.05		6.5		6.5	1.4	5.1
56	UPPER MANNVILLE W	80.9	0.05		4.0		4.0	.2	3.8
57	LOWER MANNVILLE A	259	<0.01		.7		.7	.7	
58									
59	LOWER MANNVILLE B	188	<0.01		.3		.3	.3	
60	LOWER MANNVILLE C	60.3	0.05		3.0		3.0	1.2	1.8
61	PEKISKO A	95.3	<0.07		6.1		6.1	6.1	
62	PEKISKO B	466	<0.01		.3		.3	.3	
63	PEKISKO C	106	<0.01		.1		.1	.1	
64									
65	PEKISKO D	501	<0.01		.2		.2	.2	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
												1
												2
144	2.13	0.280	0.42	0.97								3
1 080	1.37	0.290	0.26	0.97								4
65	2.13	0.280	0.30	0.97	15	915	27	5 790	739.4	1971	73 12 - SUSP 83 12	5
64	1.54	0.260	0.35	0.97	12	921	37	5 760	776.0	1972	73 01	6
												7
16	2.50	0.280	0.42	0.97	12	919	32	5 162	687.5	1979	80 06	8
16	1.60	0.270	0.46	0.97	19	920	23	4 800	717.6	1979	83 12 - SUSP 83 12	9
32	2.14	0.240	0.44	0.97	12	925	32	5 375	711.7	1980	81 05	10
16	1.30	0.300	0.15	0.97		921	20	4 800	744.7	1981	82 03	11
16	2.00	0.250	0.55	0.96		934	26	5 023	672.3	1980	82 03	12
												13
80	2.37	0.290	0.29	0.97	11	911	31	5 790	739.5	1981	82 04	14
16	3.50	0.240	0.24	0.97	11	939	28	5 058	734.3	1979	80 01	15
32	2.40	0.280	0.45	0.97	12	920	27	2 700	737.0	1972	83 09	16
16	2.30	0.250	0.30	0.97	12	920	26	2 600	736.7	1983	83 11	17
16	.15	0.230	0.45	0.97	11	920	26	2 500	771.1	1983	84 10	18
												19
176	2.52	0.270	0.37	0.97	16	930	25	5 103	744.6	1972	83 09	20
16	2.20	0.300	0.30	0.96	17	904	29	3 800	754.4	1981	82 04 - SUSP 83 04	21
16	2.00	0.280	0.30	0.96	15	940	34	4 300	781.5	1981	82 04	22
16	2.50	0.210	0.30	0.97	10	911	33	4 713	758.7	1981	82 04	23
642					13	921	24	5 190	788.6	1969	84 06	24
												25
253	4.02	0.300	0.19	0.97								26
389	7.83	0.300	0.21	0.97							- GPP	27
1 256	10.63	0.290	0.14	0.97	12	965	29	5 500	778.0	1969	84 12	28
64	8.17	0.270	0.21	0.97	13	958	26	5 070	780.3	1979	82 03 - GPP	29
16	9.00	0.300	0.15	0.97	9	938	34	5 085	700.5	1979	80 08	30
												31
16	2.60	0.250	0.33	0.97	14	938	27	5 198	712.8	1980	80 10 - SUSP 80 11	32
32	7.00	0.280	0.25	0.97	12	970	29	5 095	823.6	1980	81 12 - GPP	33
16	8.40	0.280	0.31	0.97	11	970	30	4 200	771.6	1979	80 07 - GPP	34
												35
												36
32	8.00	0.140	0.50	0.88	52	913	33	11 307	1 082.2	1982	83 03 - GPP	37
												38
												39
1 200					16	887	33	10 200	961.6	1963	84 04	40
176	4.31	0.175	0.44	0.97								41
1 024	5.50	0.185	0.44	0.97								42
												43
												44
16	3.50	0.300	0.30	0.96		978	26	6 000	701.3	1980	82 03 - ABAND 83 05	45
												46
												47
186	1.22	0.220	0.42	0.90	37	927	32	10 140	967.7	1965	83 12 - GPP	48
918	2.07	0.297	0.25	0.90	37	927	33	10 690	989.1	1964	76 01 - GPP	49
												50
377	6.83	0.260	0.30	0.91	29	952	33	10 410	935.1	1965	80 12 - GPP	51
												52
32	5.49	0.230	0.35	0.91	35	946	31	10 270	941.2	1971	74 12 - SUSP 71 10	53
144	9.72	0.270	0.28	0.91	37	952	33	10 510	954.3	1972	84 12 - GPP	54
16	6.40	0.200	0.30	0.91	37	960	35	10 042	937.7	1973	82 12 - SUSP 84 01	55
16	3.35	0.224	0.26	0.91	38	948	30	4 900	948.1	1983	83 10 - PREV CONF	56
32	4.57	0.240	0.20	0.91	29	940	32	10 790	979.0	1965	67 05 - SUSP 69 11	57
												58
16	5.94	0.290	0.25	0.91	29	959	32	10 000	964.4	1954	78 09 - SUSP 79 10	59
16	3.00	0.230	0.40	0.91	42	944	32	10 569	987.5	1981	82 05 - GPP	60
64	3.29	0.100	0.50	0.90	81	946	33	10 890	1 001.6	1964	73 02 - ABAND 72 02	61
28	23.77	0.112	0.30	0.90	81	946	41	10 620	1 036.6	1966	68 02 - ABAND 69 02	62
32	6.10	0.120	0.50	0.90	81	946	34	10 760	991.8	1966	68 10 - SUSP 69 01	63
												64
65	4.27	0.300	0.35	0.93	29	972	32	10 780	991.2	1971	72 05 - ABAND 77 02	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10³m³	fraction				10³m³		
HEAVY DENSITY POOLS (CONTINUED)								
JENNER 020-09W4 (CONTINUED)								
PEKISKO E	50.7	<0.01		.1		.1		.1
JOHNSON 016-14W4								
GLAUCONITIC A	458	0.10		45.8		45.8	10.5	35.3
GLAUCONITIC B	1 320	0.10		132		132	20.5	111.5
GLAUCONITIC C	350	0.10		35.0		35.0	8.3	26.7
GLAUCONITIC D	28.8	0.10		2.9		2.9	.1	2.8
GLAUCONITIC E	37.0	0.10		3.7		3.7	2.5	1.2
JUMPBUSH 020-19W4								
UPPER MANNVILLE B	1 000	0.10		100		100	38.8	61.2
UPPER MANNVILLE H	535	0.10		53.5		53.5	15.1	38.4
LOWER MANNVILLE A	66.0	0.03		2.0		2.0	.9	1.1
KEHO 011-22W4								
BANFF A	46.8	0.05		2.3		2.3	.8	1.5
KILLAM 043-10W4								
COLONY F	140	0.05		7.0		7.0	2.8	4.2
LOWER MANNVILLE A	58.1	<0.02		.6		.6	.6	
KIRKWALL 027-05W4								
COLONY A	110	0.05		5.5		5.5	.1	5.4
LATHOM 020-17W4								
UPPER MANNVILLE A	4 200	0.15	0.35	630	1 470	2 100	1 590.0	510.0
WATER FLOOD								
UPPER MANNVILLE C	1 280			137	221	358	216.6	141.4
TOTAL								
PRIMARY AREA	360	0.10		36.0		36.0		
WATER FLOOD AREA	922	0.11	0.24	101	221	322		
UPPER MANNVILLE D	186	0.15		27.9		27.9	22.9	5.0
UPPER MANNVILLE E	87.2	<0.01		.4		.4	.4	
UPPER MANNVILLE H	188	0.10		18.8		18.8		18.8
LOWER MANNVILLE A	266	0.10		26.6		26.6	13.9	12.7
LOWER MANNVILLE B	72.1	<0.02		.9		.9	.9	
LOWER MANNVILLE C	508	0.05		25.4		25.4		25.4
LEAMAN 057-09W5								
PEKISKO A	98.0	0.10		9.8		9.8	5.6	4.2
PEKISKO B	33.2	0.05		1.7		1.7	.1	1.6
PEKISKO C	31.3	0.05		1.6		1.6	.1	1.5
LECKIE 019-17W4								
UPPER MANNVILLE B	429	0.05		21.5		21.5	16.4	5.1
LOWER MANNVILLE A	195	<0.01		1.2		1.2	1.2	
LITTLE BOW 015-19W4								
UPPER MANNVILLE D	1 800			72.0	165	237	80.1	156.9
TOTAL								
PRIMARY AREA	300	0.04		12.0		12.0		
WATER FLOOD AREA	1 500	0.04	0.11	60.0	165	225		
UPPER MANNVILLE F	192	0.10		19.2		19.2	.5	18.7
UPPER MANNVILLE G	2 240	0.10		224		224	135.8	88.2
UPPER MANNVILLE H	74.2	0.10		7.4		7.4	.4	7.0
UPPER MANNVILLE I	1 700	0.10	0.10	170	170	340	77.3	262.7
WATER FLOOD								
UPPER MANNVILLE J	210	0.05		10.5		10.5	5.2	5.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
												1
												2
32	5.50	0.080	0.60	0.90	41	943	33	10 695	987.3	1980	82 12 - SUSP 82 08	3
												4
												5
64	4.74	0.230	0.20	0.82	70	888	31	11 252	1 021.4	1983	84 03 - PREV CONF	6
80	8.82	0.250	0.15	0.88	50	891	30	10 855	1 832.3	1982	84 09	7
32	6.10	0.240	0.15	0.88	50	888	31	8 600	1 021.9	1983	83 11 - PREV CONF	8
16	1.50	0.210	0.35	0.88	53	893	29	8 400	1 039.8	1983	84 05	9
												10
16	2.50	0.150	0.30	0.88	53	893	31	8 400	1 029.6	1983	84 05 - PREV CONF	11
												12
												13
256	3.03	0.210	0.26	0.83	73	845	40	11 360	1 329.2	1972	84 01	14
128	2.77	0.230	0.21	0.83	73	845	40	11 284	1 330.8	1972	84 12	15
16	3.08	0.210	0.25	0.85	56	887	41	11 430	1 405.8	1977	83 12	16
												17
												18
16	7.20	0.055	0.23	0.96	10	964	51	21 124	1 720.3	1980	81 06	19
												20
												21
16	4.20	0.330	0.24	0.83	209	908	26	5 237	702.1	1979	80 11	22
16	1.93	0.260	0.23	0.94	24	954	36	6 510	873.0	1978	83 12 - ABAND 83 12	23
												24
												25
16	7.00	0.220	0.54	0.97	9	956	35	7 492	888.2	1980	83 05	26
												27
												28
426	6.31	0.230	0.20	0.85	66	876	35	10 480	1 171.0	1968	83 12 - GPP	29
												30
233					62	887	45	10 640	1 141.5	1970	84 03	31
												32
												33
32	8.80	0.210	0.30	0.87								34
201	3.72	0.210	0.30	0.84								35
80	2.44	0.160	0.30	0.85	66	876	35	10 270	1 174.7	1968	82 12	36
65	1.22	0.210	0.38	0.85	51	849	40	10 260	1 183.5	1973	74 03 - SUSP 74 02	37
64	2.00	0.230	0.25	0.85	66	869	32	9 990	1 218.6	1980	80 12	38
												39
128	1.64	0.200	0.28	0.88	41	876	31	10 980	1 185.1	1973	80 07 - GPP	40
32	3.05	0.160	0.48	0.88	41	876	35	11 000	1 209.4	1973	79 01 - SUSP 78 09	41
64	9.00	0.210	0.50	0.84	76	901	37	10 521	1 250.7	1983	84 06 - PREV CONF	42
												43
												44
64	3.10	0.100	0.42	0.85	50	916	71	12 460	1 688.5	1978	79 08 - GPP	45
16	6.40	0.080	0.55	0.90	37	963	61	12 423	1 650.8	1981	83 10 - SUSP 83 08	46
16	6.60	0.070	0.53	0.90	37	963	61	10 696	1 615.2	1981	83 10 - SUSP 83 09	47
												48
												49
87	3.05	0.250	0.25	0.86	64	887	34	10 840	1 134.2	1967	73 12	50
32	5.18	0.190	0.32	0.90	33	887	44	11 620	1 174.7	1967	68 10 - ABAND 69 10	51
												52
												53
464					66	904	56	12 270	1 184.5	1968	81 12	54
												55
192	1.35	0.190	0.30	0.87								56
272	4.76	0.190	0.30	0.87								57
												58
64	3.96	0.140	0.40	0.90	44	952	37	12 170	1 127.2	1969	69 03	59
259	4.75	0.250	0.19	0.90	44	946	38	12 130	1 132.3	1970	73 03	60
65	1.22	0.190	0.45	0.90	43	921	38	13 460	1 117.7	1970	74 12 - SUSP 84 05	61
115	10.66	0.230	0.33	0.90	44	927	33	12 250	1 094.3	1974	84 05	62
												63
												64
130	1.68	0.160	0.33	0.90	44	927	34	11 220	1 106.7	1974	77 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	HEAVY DENSITY POOLS (CONTINUED)								
2	LITTLE BOW 015-19W4 (CONTINUED)								
3	UPPER MANNVILLE L	1 040			52.0	100	152	46.6	105.4
4	TOTAL								
5	PRIMARY AREA	40.4	0.05		2.0		2.0		
6	WATER FLOOD AREA	1 000	0.05	0.10	50.0	100	150		
7									
8	UPPER MANNVILLE M	147	0.06		8.8		8.8	7.1	1.7
9	UPPER MANNVILLE N	21.2	0.10		2.1		2.1	.9	1.2
10	UPPER MANNVILLE O	146	0.05		7.3		7.3	1.7	5.6
11	UPPER MANNVILLE P	200	0.10		20.0		20.0	12.7	7.3
12	UPPER MANNVILLE Q	50.4	0.05		2.5		2.5	1.5	1.0
13									
14	UPPER MANNVILLE R	45.3	0.05		2.3		2.3	1.4	.9
15	UPPER MANNVILLE S	739	0.10		73.9		73.9	13.0	60.9
16	UPPER MANNVILLE T	1 200	0.10	0.10	120	120	240	64.5	175.5
17	WATER FLOOD								
18	UPPER MANNVILLE U	2 660	0.10		266		266	51.1	214.9
19									
20	UPPER MANNVILLE V	50.1	0.10		5.0		5.0	.1	4.9
21	UPPER MANNVILLE W	2 250	0.10		225		225	37.0	188.0
22	UPPER MANNVILLE Y	69.1	0.10		6.9		6.9	.2	6.7
23	UPPER MANNVILLE Z	51.1	0.10		5.1		5.1	1.2	3.9
24	UPPER MANNVILLE BB	494	0.10		49.4		49.4	5.5	43.9
25									
26	UPPER MANNVILLE CC	44.9	0.05		2.2		2.2	.3	1.9
27	LOWER MANNVILLE A	134	0.05		6.7		6.7	1.1	5.6
28	LOWER MANNVILLE E	234	<0.01		.3		.3	.3	
29	LOWER MANNVILLE H	86.0	0.03		2.6		2.6	.4	2.2
30	LOWER MANNVILLE I	78.3	0.10		7.8		7.8	2.6	5.2
31									
32	LOWER MANNVILLE J	278	0.10		27.8		27.8	7.3	20.5
33	LOWER MANNVILLE L	48.0	0.10		4.8		4.8	1.9	2.9
34	LOWER MANNVILLE M	40.3	0.05		2.0		2.0	1.5	.5
35	LOWER MANNVILLE N	27.4	0.10		2.7		2.7	.4	2.3
36	LOWER MANNVILLE P	23.5	0.10		2.4		2.4	.9	1.5
37									
38	LOWER MANNVILLE U	57.5	0.10		5.8		5.8	.2	5.6
39	LOWER MANNVILLE V	28.4	0.10		2.8		2.8	.1	2.7
40	LIVINGSTONE A	91.7	0.05		4.6		4.6	.1	4.5
41									
42	LLOYDMINSTER 050-01W5								
43	COLONY D	188	0.05		9.4		9.4	3.2	6.2
44	COLONY E	55.0	0.02		1.1		1.1	.4	.7
45	COLONY F	300	0.05		15.0		15.0	6.9	8.1
46	COLONY G	113	0.05		5.6		5.6	2.6	3.0
47									
48	COLONY H	48.0	0.05		2.4		2.4	1.1	1.3
49	COLONY I	32.0	<0.01		.1		.1	.1	
50	COLONY J	44.4	0.05		2.2		2.2	1.7	.5
51	COLONY K	40.9	0.05		2.1		2.1	.4	1.7
52	COLONY N	61.6	0.05		3.1		3.1	.9	2.2
53									
54	COLONY O	45.7	0.05		2.3		2.3		2.3
55	MCLAREN A	660	0.05		33.0		33.0	2.7	30.3
56	WASECA A	141	0.05		7.1		7.1	.5	6.6
57	SPARKY B TOTAL	12 400			698	61.2	759	377.7	381.3
58	PRIMARY AREA	10 900	0.05		545		545		
59									
60	WATER FLOOD AREA	1 530	0.10	0.04	153	61.2	214		
61	SPARKY F	8 040	0.04		321		321	272.0	49.0
62	SPARKY G	11 500	0.05		575		575	448.7	126.3
63	SPARKY H	1 800	0.03		54.0		54.0	39.3	14.7
64	SPARKY J	3 180	0.04		127		127	81.8	45.2

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
128					44	927	32	11 790	1 128.0	1976	84 10	3
16	1.50	0.220	0.10	0.90								5
112	6.10	0.220	0.26	0.90							- GPP	6
64	2.10	0.180	0.30	0.87	57	887	36	12 180	1 221.0	1977	81 12	8
16	1.20	0.170	0.28	0.90	44	928	35	12 280	1 154.4	1978	79 04	9
32	3.00	0.220	0.23	0.90	55	915	32	11 200	1 095.5	1979	79 09 - SUSP 84 01	10
32	4.47	0.210	0.26	0.90	47	864	32	10 768	1 131.9	1979	81 02 - GPP	11
32	2.50	0.100	0.30	0.90	68	912	36	12 200	1 159.8	1979	80 03	12
32	1.73	0.130	0.30	0.90	58	922	33	11 852	1 162.8	1979	80 07	14
64	7.57	0.220	0.23	0.90	47	937	33	11 889	1 075.4	1978	82 10	15
85	9.20	0.240	0.29	0.90	44	927	33	12 372	1 117.2	1975	84 03	16
128	11.54	0.230	0.13	0.90	49	947	31	8 274	1 126.3	1982	84 12	18
16	3.60	0.190	0.48	0.88	56	928	34	12 183	1 074.5	1982	83 03 - SUSP 83 03	20
144	10.20	0.210	0.19	0.90	49	947	32	8 274	1 127.1	1983	84 12	21
16	3.00	0.200	0.20	0.90	47	946	32	8 274	1 134.8	1983	83 06 - SUSP 83 07	22
16	1.80	0.240	0.16	0.88	56	928	34	12 184	1 117.7	1972	83 09	23
96	4.27	0.200	0.33	0.90	54	934	33	12 100	1 147.0	1975	84 09	24
16	2.00	0.240	0.35	0.90	47	946	32	11 915	1 169.3	1982	84 02	26
32	7.38	0.160	0.48	0.93	37	951	30	12 240	1 140.6	1968	84 06	27
65	2.13	0.250	0.25	0.90	43	934	41	12 480	1 215.8	1973	77 03 - SUSP 77 09	28
32	2.70	0.170	0.35	0.90	44	940	38	12 410	1 193.9	1976	79 12 - SUSP 80 10	29
16	4.27	0.180	0.30	0.90	46	946	33	11 970	1 114.0	1977	77 12 - GPP	30
16	9.45	0.230	0.12	0.90	44	965	36	12 820	1 198.2	1977	77 12 - GPP	32
16	3.00	0.170	0.35	0.90	35	950	35	12 730	1 181.0	1979	79 10 - GPP	33
32	1.00	0.200	0.30	0.90	85	970	31	12 070	1 205.8	1979	80 05 - GPP	34
32	.80	0.170	0.30	0.90	46	952	33	12 470	1 165.4	1978	80 06	35
16	1.60	0.170	0.40	0.90	46	951	31	12 203	1 136.2	1979	80 05 - GPP	36
16	3.80	0.185	0.45	0.93	37	952	30	11 542	1 219.5	1981	83 08 - SUSP 83 11	38
16	2.30	0.140	0.40	0.92	37	951	30	12 346	1 175.8	1982	84 02	39
64	4.00	0.070	0.45	0.93	21	985	42	4 500	1 212.3	1982	83 01 - SUSP 83 09	40
32	3.26	0.280	0.35	0.99	8	983	25	2 880	547.1	1977	79 06 - GPP	43
16	1.86	0.300	0.37	0.98	10	961	28	2 970	539.2	1977	79 01	44
38	2.77	0.320	0.10	0.99	11	975	28	3 060	548.2	1977	80 12 - GPP	45
16	3.70	0.320	0.40	0.99	9	962	24	3 000	542.3	1978	79 10 - GPP	46
8	2.10	0.320	0.10	0.99	10	962	28	3 010	540.6	1975	79 12 - SUSP 81 01	48
8	2.10	0.320	0.40	0.99	10	980	28	3 020	541.9	1977	84 12 - SUSP 81 08	49
16	2.00	0.280	0.50	0.99	10	981	28	3 120	542.7	1982	82 11 - GPP	50
4	4.30	0.320	0.25	0.99	10	970	22	3 480	591.7	1979	84 04	51
8	4.90	0.270	0.60	0.97	12	988	25	3 250	545.8	1980	84 07	52
4	5.50	0.300	0.30	0.99	10	985	28	3 120	573.0	1983	84 08	54
80	3.45	0.350	0.31	0.99	12	965	25	4 086	553.8	1983	84 10	55
16	3.70	0.300	0.20	0.99	9	983	27	3 940	531.7	1982	82 08 - GPP	56
747					10	959	19	3 718	583.2	1966	80 12	57
667	6.07	0.320	0.15	0.99								58
80	7.10	0.320	0.15	0.99							- GPP	60
712	3.96	0.320	0.10	0.99	10	959	22	4 010	588.3	1947	77 12 - GPP	61
959	5.44	0.300	0.26	0.99	10	959	22	4 070	599.8	1963	82 12	62
232	2.72	0.320	0.10	0.99	10	959	22	3 830	544.7	1961	78 12 - GPP	63
339	3.29	0.320	0.10	0.99	10	959	22	3 990	576.7	1956	76 12	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1					HEAVY DENSITY POOLS (CONTINUED)				
2	LLOYDMINSTER 050-01W5 (CONTINUED)								
3	SPARKY K	21 200	0.04		848		848	437.8	410.2
4	SPARKY L	793	<0.02		13.8		13.8	13.8	
5	SPARKY M	267	<0.01		.7		.7	.7	
6	SPARKY N	28.1	<0.03		.8		.8	.8	
7									
8	SPARKY O	337	<0.01		.9		.9	.9	
9	SPARKY P	755	0.01		7.6		7.6	2.9	4.7
10	SPARKY Q	4 880	<0.02		64.7		64.7	64.7	
11	SPARKY R	3 050	0.04		122		122	51.4	70.6
12	SPARKY S	365	<0.02		6.0		6.0	3.7	2.3
13									
14	SPARKY T	186	0.03		5.6		5.6	5.6	
15	SPARKY U	183	<0.02		3.0		3.0	3.0	
16	SPARKY X	2 860	<0.01		15.0		15.0	14.0	1.0
17	SPARKY EE	236	0.05		11.8		11.8	7.3	4.5
18	SPARKY FF	408	<0.01		.4		.4	.4	
19									
20	SPARKY KK	923	0.05		46.2		46.2	25.0	21.2
21	SPARKY NN	143	<0.01		.4		.4	.4	
22	SPARKY OO	355	0.02		7.1		7.1	.2	6.9
23	SPARKY QQ	46.3	<0.02		.5		.5	.5	
24	SPARKY RR	124	<0.02		1.3		1.3	1.3	
25									
26	SPARKY SS	201	<0.01		.1		.1	.1	
27	SPARKY TT	144	<0.01		.8		.8	.8	
28	SPARKY UU	105	<0.01		.1		.1	.1	
29	SPARKY VV	240	0.05		12.0		12.0	4.3	7.7
30	SPARKY WW	263	<0.01		.1		.1		.1
31									
32	SPARKY XX	760	0.05		38.0		38.0	17.6	20.4
33	SPARKY YY	89.1	<0.01		.2		.2	.2	
34	SPARKY ZZ	122	0.05		6.1		6.1	.5	5.6
35	SPARKY C & GENERAL	24 300	0.06		1 460		1 460	1 096.7	363.3
36	PETROLEUM A								
37									
38	SPARKY & GENERAL	76 700			3 810	310	4 120	2 593.6	1 526.4
39	PETROLEUM C&D TOT								
40	PRIMARY AREA	66 200	<0.04		2 760		2 760		
41	WATER FLOOD AREA	10 500	0.10	0.03	1 050	310	1 360		
42	SPARKY E & GENERAL	6 940	<0.07		445		445	300.1	144.9
43	PETROLEUM F								
44									
45	SPARKY D & GENERAL	3 610	0.03		108		108	77.0	31.0
46	PETROLEUM B								
47	SPARKY I & GENERAL	10 300	<0.05		416		416	312.3	103.7
48	PETROLEUM K								
49	SPARKY AAA	520	0.04		20.8		20.8	8.7	12.1
50									
51	SPARKY BBB	236	0.05		11.8		11.8	3.1	8.7
52	SPARKY CCC	353	0.05		17.7		17.7	7.2	10.5
53	SPARKY DDD	287	0.05		14.4		14.4	6.5	7.9
54	SPARKY EEE	126	<0.01		.1		.1		.1
55	SPARKY FFF	93.9	0.05		4.7		4.7	.1	4.6
56									
57	SPARKY GGG	177	0.05		8.9		8.9	1.4	7.5
58	SPARKY HHH	71.0	0.05		3.6		3.6	.2	3.4
59	SPARKY III	74.5	0.05		3.7		3.7	2.6	1.1
60	SPARKY JJJ	228	0.05		11.4		11.4	.3	11.1
61	SPARKY KKK	137	0.05		6.9		6.9	1.0	5.9
62									
63	SPARKY LLL	336	0.05		16.8		16.8	2.5	14.3
64	SPARKY MMM	60.9	0.05		3.0		3.0	.9	2.1
65	SPARKY NNN	32.9	0.05		1.6		1.6	.3	1.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
2 397	3.45	0.320	0.19	0.99	10	959	22	3 920	579.0	1947	84 12 - GPP	3
93	2.99	0.320	0.10	0.99	10	959	22	3 920	574.9	1951	82 12 - SUSP 75 04	4
32	2.90	0.320	0.10	0.99	10	959	22	4 030	595.0	1945	71 06 - ABAND 70 10	5
16	.61	0.320	0.10	0.99	10	959	22	4 060	598.6	1944	71 06 - ABAND 54 10	6
32	3.66	0.320	0.10	0.99	10	959	22	4 010	582.8	1940	71 06 - ABAND 56 06	8
64	4.23	0.320	0.12	0.99	15	980	22	4 050	590.1	1964	84 02 - GPP	9
377	4.54	0.320	0.10	0.99	10	959	22	4 020	577.6	1944	82 12 - SUSP 77 09	10
240	5.03	0.300	0.15	0.99	10	959	22	4 030	577.9	1967	83 12 - GPP	11
32	3.96	0.320	0.10	0.99	10	959	22	4 090	600.8	1965	75 07 - GPP	12
32	2.01	0.320	0.10	0.99	10	959	22	4 020	577.9	1952	71 06 - ABAND 65 10	14
16	3.96	0.320	0.10	0.99	10	959	22	4 060	577.3	1948	71 06 - ABAND 55 01	15
228	5.09	0.300	0.17	0.99	6	959	22	4 840	580.0	1974	82 12 - GPP	16
32	3.50	0.280	0.24	0.99	10	986	22	3 480	569.5	1977	79 03 - GPP	17
32	5.30	0.300	0.19	0.99		979	21	3 380	576.0	1977	83 12 - SUSP 81 07	18
72	5.60	0.300	0.23	0.99	9	977	19	3 940	566.8	1982	83 09	20
16	5.00	0.270	0.33	0.99	9	986	27	3 940	568.8	1977	83 12 - SUSP 81 06	21
16	8.50	0.310	0.15	0.99	9	959	16	3 630	616.3	1978	79 02	22
16	1.50	0.300	0.35	0.99	9	985	27	4 070	594.3	1978	83 12 - SUSP 81 12	23
16	3.30	0.300	0.21	0.99	9	972	23	3 960	572.9	1978	84 12 - SUSP 84 05	24
16	5.50	0.320	0.28	0.99	9	985	27	4 000	592.8	1978	83 12 - SUSP 79 05	26
8	6.90	0.340	0.21	0.97	10	975	22	2 640	564.6	1978	83 12 - ABAND 82 10	27
16	2.90	0.300	0.24	0.99	9	979	27	4 240	627.1	1978	84 12 - SUSP 80 01	28
16	5.60	0.300	0.10	0.99	10		22	4 010	584.5	1979	80 04 - GPP	29
16	6.10	0.320	0.14	0.98	10	961	24	2 460	548.7	1978	82 12 - SUSP 79 01	30
108	3.20	0.280	0.19	0.97	10	982	24	2 460	563.6	1978	82 08 - GPP	32
16	3.00	0.280	0.33	0.99	9	982	25	3 888	528.5	1980	83 12 - SUSP 81 10	33
16	3.80	0.270	0.25	0.99	8		25	4 840	619.7	1980	81 07 - GPP	34
2 162	3.95	0.320	0.10	0.99	10	959	22	4 020	588.0	1948	82 12 - GPP	35
7 426					10	959	22	4 020	599.5	1939	84 12 - GPP	38
6 681	3.47	0.320	0.10	0.99								40
745	4.94	0.320	0.10	0.99								41
513	4.74	0.320	0.10	0.99	10	959	22	3 970	563.6	1951	79 06 - GPP	42
320	3.96	0.320	0.10	0.99	10	959	22	3 970	573.0	1968	75 07 - GPP	45
862	4.19	0.320	0.10	0.99	10	959	22	3 990	583.7	1944	79 07 - GPP	47
64	4.10	0.290	0.31	0.99	9	986	25	3 200	606.2	1980	84 12	49
32	2.93	0.310	0.18	0.99	10	958	28	3 949	559.0	1980	82 06	51
32	4.70	0.330	0.21	0.90		982	21	3 380	600.5	1981	83 12	52
32	4.30	0.310	0.32	0.99	10	988	21	3 959	602.5	1980	83 12	53
16	3.80	0.280	0.25	0.99	9	985	27	3 940	594.6	1981	82 08 - ABAND 83 05	54
16	2.50	0.300	0.21	0.99	9	988	27	3 940	598.3	1981	82 08 - SUSP 83 11	55
16	4.50	0.310	0.20	0.99	9	959	28	972	597.3	1982	82 11	57
16	2.30	0.300	0.35	0.99	9	971	23	4 060	595.4	1982	83 01	58
16	2.40	0.280	0.30	0.99	10	962	22	3 480	553.7	1982	83 02	59
16	7.00	0.300	0.30	0.97	10	975	22	3 585	598.5	1982	83 03	60
8	7.77	0.320	0.29	0.97	10	975	26	3 585	624.9	1979	84 01	61
48	3.19	0.300	0.26	0.99	10	975	54	3 585	572.5	1982	84 03	63
4	7.00	0.330	0.32	0.97	10	975	22	3 585	618.0	1979	83 09	64
16	1.00	0.300	0.30	0.98	8	981	22	3 290	622.3	1983	83 10 - PREV CONF	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
HEAVY DENSITY POOLS (CONTINUED)								
LLOYDMINSTER 050-01W5 (CONTINUED)								
SPARKY OOO	120	0.03		3.6		3.6	2.1	1.5
SPARKY PPP	49.4	0.05		2.5		2.5	.1	2.4
SPARKY QQQ	71.4	0.05		3.6		3.6	.4	3.2
GENERAL PETROLEUM E	186	0.05		9.4		9.4	.1	9.3
GENERAL PETROLEUM G	276	<0.02		4.5		4.5	1.2	3.3
GENERAL PETROLEUM I	1 060	0.03		31.8		31.8	8.8	23.0
GENERAL PETROLEUM J	527	0.05		26.4		26.4	13.7	12.7
GENERAL PETROLEUM L	47.5	<0.01		.1		.1	.1	
GENERAL PETROLEUM M	721	0.05		36.1		36.1	6.7	29.4
GENERAL PETROLEUM N	130	<0.01		.5		.5	.5	
GENERAL PETROLEUM O	56.0	<0.01		.1		.1		.1
GENERAL PETROLEUM Q	597	0.05		29.9		29.9	.7	29.2
GENERAL PETROLEUM R	223	0.05		11.2		11.2	1.1	10.1
GENERAL PETROLEUM S	83.2	0.05		4.2		4.2	1.1	3.1
GENERAL PETROLEUM T	106	0.05		5.3		5.3	.1	5.2
LLOYDMINSTER A	176	0.02		3.5		3.5	1.8	1.7
LLOYDMINSTER B	392	<0.01		1.4		1.4	1.4	
LLOYDMINSTER C	576	0.05		28.8		28.8	5.5	23.3
LLOYDMINSTER D	165	<0.01		.4		.4	.4	
LLOYDMINSTER E	170	<0.01		.1		.1		.1
LLOYDMINSTER F	175	<0.01		.8		.8	.8	
LLOYDMINSTER G	179	<0.01		.1		.1		.1
LLOYDMINSTER H	244	0.05		12.2		12.2	3.6	8.6
LLOYDMINSTER I	89.6	0.05		4.5		4.5	.3	4.2
LLOYDMINSTER J	160	0.05		8.0		8.0	1.1	6.9
LLOYDMINSTER L	304	0.05		15.2		15.2	2.2	13.0
CUMMINGS A	359	0.03		10.8		10.8	1.9	8.9
CUMMINGS B	487	0.03		14.6		14.6	10.8	3.8
CUMMINGS C	66.1	0.03		2.0		2.0	.5	1.5
CUMMINGS D	238	0.05		11.9		11.9	1.0	10.9
CUMMINGS E	58.7	<0.01		.1		.1		.1
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		.3		.3	.3	
LOWER MANNVILLE B	62.5	0.10		6.3		6.3	1.0	5.3
LOWER MANNVILLE D	22.4	0.10		2.2		2.2	1.1	1.1
BANFF B	529	<0.01		.7		.7	.7	
BANFF C	36.6	0.10		3.7		3.7	.6	3.1
MAJORVILLE 018-19W4								
UPPER MANNVILLE A	965	0.15		145		145	94.9	50.1
UPPER MANNVILLE B	296	0.05		14.8		14.8	10.2	4.6
UPPER MANNVILLE C	297	0.10		29.7		29.7	10.7	19.0
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826	0.03		24.8		24.8	11.2	13.6
UPPER MANNVILLE B	405	<0.01		.2		.2	.2	
UPPER MANNVILLE M	420	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151	<0.01		.2		.2	.2	
MARWAYNE 053-02W4								
SPARKY A	1 860	0.03		55.8		55.8	26.8	29.0
MATZIWIN 023-14W4								
PEKISKO A	1 050	0.10		105		105	98.1	6.9
PEKISKO B	168	<0.02		2.3		2.3	2.3	

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9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
16	2.90	0.330	0.20	0.98		941	19	700	556.4	1983	83 11 - PREV CONF	3
16	1.50	0.300	0.30	0.98	8	981	22	3 290	628.3	1983	83 11 - PREV CONF	4
16	2.30	0.280	0.30	0.99	10	990	25	3 000	599.8	1983	84 03 - PREV CONF	5
16	4.27	0.320	0.15	0.99	12	959	21		602.0	1974	75 09	6
32	3.59	0.300	0.19	0.99	9	959	22	3 450	601.7	1975	82 04 - GPP	8
166	2.58	0.300	0.17	0.99	9	974	25	3 282	599.0	1977	82 12 - GPP	9
64	3.51	0.300	0.21	0.99	10	984	25	3 620	587.7	1975	83 04 - GPP	10
8	2.74	0.270	0.20	0.99	9	979	27	3 910	588.0	1977	78 05 - SUSP 78 09	11
64	4.53	0.310	0.19	0.99	8	984	27	3 730	568.7	1977	84 10 - GPP	12
16	3.65	0.300	0.25	0.99	8	983	27	3 840	580.4	1977	80 12 - SUSP 80 11	14
8	4.00	0.270	0.35	0.99	9	972	27	3 068	615.0	1979	79 10 - ABAND 80 05	15
16	12.70	0.330	0.10	0.99	10	970	27	3 700	607.7	1981	82 04 - GPP	16
16	5.00	0.320	0.12	0.99	9	974	25	3 516	567.5	1981	82 08	17
16	2.50	0.280	0.25	0.99	10	988	25	3 620	641.8	1982	82 09 - GPP	18
16	3.00	0.280	0.20	0.99	9	959	22	3 480	615.2	1983	83 05 - PREV CONF	20
16	4.88	0.285	0.20	0.99	8	979	27	3 790	610.2	1973	82 12 - SUSP 83 09	21
32	5.70	0.310	0.30	0.99	10	959	22	3 450	605.0	1974	83 01 - ABAND 82 06	22
32	7.77	0.300	0.22	0.99	8	992	33	4 230	700.5	1977	81 07 - GPP	23
16	4.20	0.310	0.20	0.99	9	973	27	4 200	605.7	1977	83 12 - SUSP 80 07	24
16	4.20	0.320	0.20	0.99	11	992	25	4 220	607.8	1977	83 12 - SUSP 78 02	26
16	4.60	0.300	0.20	0.99	8	974	27	4 200	605.4	1975	83 12 - ABAND 79 04	27
16	7.62	0.270	0.45	0.99	10	991	27	4 930	654.0	1978	79 04 - SUSP 82 08	28
16	5.50	0.330	0.15	0.99	8	983	27	3 900	680.9	1981	82 08 - GPP	29
16	2.50	0.290	0.22	0.99	22	975	25	5 382	610.0	1983	83 09 - PREV CONF	30
4	14.00	0.320	0.10	0.99	9	987	27	4 200	699.5	1983	84 01 - PREV CONF	32
16	8.00	0.300	0.20	0.99	10	980	23	3 480	676.2	1982	83 02	33
32	5.07	0.290	0.23	0.99	10	972	30	4 356	630.9	1977	82 10 - GPP	34
32	6.40	0.305	0.20	0.99	9	973	27	4 340	632.8	1977	82 12 - GPP	35
16	2.10	0.280	0.29	0.99	9	980	29	5 250	727.5	1978	79 06 - GPP	36
16	6.30	0.280	0.15	0.99	9	988	29	5 350	655.2	1982	83 04 - GPP	38
16	1.90	0.270	0.27	0.98	9	980	29	4 849	697.8	1983	83 11 - ABAND 84 05	39
32	1.40	0.170	0.35	0.80	145	920	32	9 735	1 223.0	1981	84 12 - SUSP 82 10	42
16	5.00	0.140	0.38	0.90	70	921	58	15 900	1 245.0	1980	80 10	43
16	2.50	0.150	0.55	0.83	66	934	49	10 250	1 249.6	1979	84 04	44
65	8.84	0.160	0.35	0.89	43	898	44	10 450	1 319.5	1974	77 03 - SUSP 77 01	45
64	1.30	0.100	0.45	0.80	87	903	32	12 700	1 210.3	1982	83 02	47
128	4.35	0.240	0.15	0.85	59	887	60	11 900	1 378.6	1974	83 12	50
32	6.40	0.200	0.15	0.85	58	887	60	11 720	1 330.4	1975	79 12	51
65	3.05	0.240	0.26	0.85	58	887	60	12 740	1 424.3	1975	76 09	52
80	4.88	0.300	0.28	0.98	10	972	33	4 900	626.8	1971	82 12 - GPP	55
65	2.74	0.310	0.25	0.98	10	979	33	4 830	619.7	1971	72 12 - ABAND 72 05	56
65	3.05	0.310	0.30	0.98	10	979	21	3 480	586.7	1974	78 01 - SUSP 77 11	57
16	3.90	0.320	0.23	0.98	6	994	30	2 750	719.0	1981	82 04 - SUSP 82 10	58
160	4.19	0.330	0.15	0.99	70	985	25	2 750	464.1	1977	82 03 - GPP	61
296	5.40	0.104	0.30	0.90	53	915	35	9 960	1 021.1	1962	78 12 - GPP	64
32	6.25	0.132	0.30	0.90	53	892	35	9 860	1 008.6	1962	67 02 - ABAND 71 11	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		$10^3 m^3$	fraction		$10^3 m^3$				
1	HEAVY DENSITY POOLS (CONTINUED)								
2									
3	MEDICINE HAT 012-05W4								
4	LOWER MANNVILLE A	94.0	0.08		7.5		7.5	3.9	3.6
5	LOWER MANNVILLE C	95.3	0.10		9.5		9.5	5.4	4.1
6	LOWER MANNVILLE I	252	0.05		12.6		12.6	3.9	8.7
7	LOWER MANNVILLE K	70.3	0.10		7.0		7.0	1.2	5.8
8									
9	MEDICINE RIVER 039-03W5								
10	ELKTON-SHUNDA B	1 120	0.10		112		112	69.6	42.4
11									
12	MOONSHINE 057-01W4								
13	GRAND RAPIDS B	363	0.05		18.2		18.2	.5	17.7
14									
15	MORGAN 051-04W4								
16	SPARKY A	5 130	0.04		205		205	105.7	99.3
17	WAINWRIGHT A	112	0.02		2.2		2.2	1.9	.3
18	LLOYDMINSTER A	47 800	0.01		478		478	197.1	280.9
19	LLOYDMINSTER B	1 740	0.05		87.0		87.0		87.0
20									
21	DINA A	159	<0.01		.2		.2	.2	
22									
23	NORRIS 053-18W4								
24	GLAUCONITIC A	82.1	<0.01		.6		.6	.6	
25									
26	PADDLE RIVER 057-08W5								
27	RUNDLE	6 040	<0.04		204		204	203.6	.4
28									
29	PARADISE 047-02W4								
30	CUMMINGS A	100	0.02		2.0		2.0	.1	1.9
31									
32	PENDANT D'OREILLE 003-08W4								
33	MANNVILLE D	427	<0.01		1.2		1.2	1.2	
34	MANNVILLE L	96.9	0.05		4.8		4.8		4.8
35									
36	PLAIN 053-12W4								
37	COLONY E	243	<0.02		4.0		4.0	3.0	1.0
38									
39	PRINCESS 020-11W4								
40	BASAL MANNVILLE E	953	<0.01		4.4		4.4	4.4	
41	BASAL MANNVILLE I	235	0.10		23.5		23.5	2.8	20.7
42	BASAL MANNVILLE O	690	<0.01		1.1		1.1	1.1	
43	BASAL MANNVILLE P	1 260	0.04		50.4		50.4	38.7	11.7
44									
45	BASAL MANNVILLE Q	775	<0.01		2.9		2.9	2.8	.1
46	BASAL MANNVILLE R	248	<0.01		1.3		1.3	1.3	
47	BASAL MANNVILLE U	137	0.05		6.9		6.9	.2	6.7
48	BASAL MANNVILLE V	182	0.05		9.1		9.1	1.7	7.4
49	BASAL MANNVILLE W	80.2	0.05		4.0		4.0		4.0
50									
51	PEKISKO A	1 710	0.15		257		257	198.0	59.0
52	PEKISKO B	872	0.05		43.7		43.7	13.7	30.0
53	PEKISKO C	55.1	0.05		2.8		2.8	.3	2.5
54	JEFFERSON A	531	0.10		53.1		53.1	53.1	
55									
56	PROVOST 036-07W4								
57	MANNVILLE V	185	<0.01		.2		.2	.2	
58	UPPER MANNVILLE A	10 100	0.03		303		303	136.3	166.7
59	UPPER MANNVILLE B	34 200	0.03		1 020		1 020	353.2	666.8
60	UPPER MANNVILLE C	1 000	0.05		50.0		50.0	32.3	17.7
61									
62	UPPER MANNVILLE E	133	0.05		6.7		6.7	4.9	1.8
63	UPPER MANNVILLE M	250	<0.01		.1		.1		.1
64	UPPER MANNVILLE O	394	0.05		19.7		19.7	15.5	4.2
65	UPPER MANNVILLE Q	44.2	0.05		2.2		2.2	1.3	.9

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9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
												1
												2
												3
32	2.31	0.230	0.43	0.97	9	960	31	10 000	887.8	1978	84 12 - GPP	4
48	2.10	0.210	0.50	0.90	44	958	27	10 060	891.0	1979	82 12 - GPP	5
112	2.75	0.150	0.40	0.91	37	945	30	7 800	918.7	1976	84 11 - GPP	6
16	2.44	0.230	0.14	0.91	35	979	32	10 560	1 030.8	1977	84 09	7
												8
												9
559	5.94	0.060	0.25	0.75	59	940	70	17 590	2 296.4	1973	75 12	10
												11
												12
16	8.50	0.320	0.14	0.97	15	987	15	5 300	473.8	1982	82 10	13
												14
												15
558	4.21	0.290	0.24	0.99		992	21	3 450	539.6	1977	82 12 - GPP	16
16	4.00	0.200	0.10	0.97	9	999	24	2 650	556.0	1965	82 12	17
2 472	6.88	0.330	0.14	0.99	7	993	21	3 450	561.8	1976	82 12 - GPP	18
96	7.71	0.300	0.20	0.98	10	980	25	4 000	575.6	1983	84 12	19
												20
16	4.50	0.300	0.25	0.98	10	980	25	4 000	595.1	1983	84 03 - ABAND 84 07	21
												22
												23
16	3.10	0.280	0.35	0.91	40	930	29	5 730	861.5	1980	81 09 - ABAND 82 03	24
												25
												26
1 616	6.92	0.075	0.20	0.90	39	959	63	12 310	1 568.5	1956	71 12 - SUSP 71 11	27
												28
												29
16	2.47	0.320	0.20	0.99	9	999	27	5 320	637.7	1977	79 08 - SUSP 83 06	30
												31
												32
65	6.40	0.210	0.40	0.82	80	910	38	8 370	863.8	1968	75 10 - ABAND 74 10	33
32	3.60	0.180	0.43	0.82	28	923	33	7 871	857.5	1977	81 10 - SUSP 80 07	34
												35
												36
64	2.20	0.280	0.34	0.95	11	927	29	4 910	617.2	1974	82 12 - GPP	37
												38
												39
262	3.05	0.200	0.33	0.89	53	915	33	9 960	979.9	1968	68 09 - ABAND 79 09	40
64	3.26	0.220	0.43	0.90	40	892	32	9 259	993.2	1965	82 11	41
65	8.53	0.220	0.39	0.93	32	940	34	10 380	1 004.6	1972	75 12 - SUSP 75 05	42
195	5.30	0.219	0.38	0.90	46	910	37	9 910	968.7	1972	75 12 - GPP	43
												44
129	5.56	0.207	0.42	0.90	48	892	33	10 340	1 021.7	1972	83 12 - ABAND 83 12	45
64	4.03	0.184	0.42	0.90	47	927	33	9 090	964.4	1973	75 12 - ABAND 81 11	46
32	4.40	0.180	0.40	0.90	42	922	32	7 700	969.7	1982	83 09	47
16	11.20	0.190	0.40	0.89	45	928	33	8 700	972.0	1983	84 02 - PREV CONF	48
32	1.75	0.230	0.30	0.89	47	923	33	8 800	972.6	1983	84 06 - PREV CONF	49
												50
543	6.00	0.070	0.15	0.88	50	881	31	10 960	1 016.5	1946	81 12 - GPP	51
128	9.61	0.106	0.24	0.88	49	888	34	10 520	1 029.0	1978	81 07	52
16	8.70	0.110	0.60	0.90	44	945	31	10 440	1 025.0	1982	83 01	53
							38	11 070	1 017.1	1944	67 01 - ABAND 69 09	54
												55
												56
16	4.78	0.300	0.15	0.95	20	934	30	5 750	787.9	1977	83 12 - SUSP 80 05	57
1 048	4.14	0.300	0.20	0.97	12	965	27	5 900	779.5	1969	81 12 - GPP	58
1 233	12.71	0.300	0.25	0.97	11	979	24	5 450	744.3	1973	78 11 - GPP	59
112	4.40	0.300	0.30	0.97	16	921	26	5 790	779.7	1973	83 12	60
												61
32	3.06	0.253	0.42	0.92	23	915	32	6 140	817.8	1977	79 12	62
16	6.55	0.300	0.18	0.97	14	972	27	6 170	822.7	1978	78 12 - SUSP 78 10	63
30	5.60	0.300	0.15	0.92		906	32	6 240	897.1	1973	83 11	64
16	2.47	0.210	0.45	0.97	9	952	34	8 400	1 040.9	1977	78 10 - SUSP 83 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	HEAVY DENSITY POOLS (CONTINUED)								
2	PROVOST 036-07W4 (CONTINUED)								
3	UPPER MANNVILLE U	39.1	<0.01		.1		.1	.1	
4	UPPER MANNVILLE V	75.0	<0.01		.2		.2	.2	
5	UPPER MANNVILLE X	33.5	<0.01		.1		.1		.1
6	UPPER MANNVILLE BB	7 590	0.02		152		152	75.1	76.9
7									
8	UPPER MANNVILLE CC	70.2	<0.01		.3		.3		.3
9	UPPER MANNVILLE DD	113	0.05		5.7		5.7	1.6	4.1
10	UPPER MANNVILLE JJ	183	<0.01		.1		.1		.1
11	UPPER MANNVILLE KK	112	<0.01		.1		.1		.1
12	UPPER MANNVILLE LL	44.7	0.05		2.2		2.2	.4	1.8
13									
14	UPPER MANNVILLE SS	100	0.05		5.0		5.0	.6	4.4
15	UPPER MANNVILLE VV	33.6	0.05		1.7		1.7	.3	1.4
16	UPPER MANNVILLE WW	30.4	0.05		1.5		1.5	.6	.9
17	UPPER MANNVILLE XX	53.9	0.10		5.4		5.4	2.1	3.3
18	UPPER MANNVILLE YY	78.0	0.10		7.8		7.8	5.5	2.3
19									
20	UPPER MANNVILLE III	149	0.05		7.5		7.5	.9	6.6
21	COLONY A	81.9	0.05		4.1		4.1	.5	3.6
22	COLONY B	309	0.03		9.3		9.3	.1	9.2
23	CUMMINGS C	243	0.05		12.2		12.2	.1	12.1
24	CUMMINGS D	14.3	0.05		.7		.7	.1	.6
25									
26	CUMMINGS H	15.5	0.05		.8		.8	.2	.6
27	LOWER MANNVILLE C	169	0.10		16.9		16.9	6.2	10.7
28	LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.1	2.3
29	LOWER MANNVILLE H	96.0	<0.01		.9		.9	.9	
30	LOWER MANNVILLE J	90.9	0.05		4.5		4.5	.6	3.9
31									
32	LOWER MANNVILLE S	38.3	0.07		2.7		2.7	1.6	1.1
33	LOWER MANNVILLE Z	933	0.10		93.3		93.3	11.4	81.9
34	DINA C	2 060	0.05		103		103	26.2	76.8
35	DINA D	216	0.05		10.8		10.8	.6	10.2
36	DINA E	748	0.05		37.4		37.4	3.3	34.1
37									
38	DINA F	37.3	0.05		1.9		1.9	.3	1.6
39	BASAL QUARTZ A	607	0.05		30.4		30.4	16.1	14.3
40	BASAL QUARTZ C	5 610	0.07		393		393	29.2	363.8
41	ELLERSLIE A	34.4	0.05		1.7		1.7	1.1	.6
42									
43	RAINIER 017-15W4								
44	GLAUCONITIC A	261	0.10		26.1		26.1	12.7	13.4
45	GLAUCONITIC E	639	0.10		63.9	ERSO	63.9	23.0	40.9
46	BASAL QUARTZ A	38.3	<0.01		.2		.2	.2	
47									
48	REAGAN 001-19W4								
49	RUNDLE A	460	0.18		82.8		82.8	69.3	13.5
50									
51	RED COULEE 001-17W4								
52	CUT BANK B	1 010	0.04		40.5		40.5	37.6	2.9
53	CUT BANK C	99.0	<0.01		.2		.2	.2	
54	RUNDLE A	71.5	0.15		10.8		10.8	10.0	.8
55	RUNDLE B	36.5	0.02		.7		.7	.7	
56									
57	RETLAW 012-18W4								
58	MANNVILLE F	110	<0.01		.2		.2	.2	
59	MANNVILLE I	1 270	0.10		127		127	111.2	15.8
60	MANNVILLE O	124	<0.02		1.7		1.7	1.7	
61	MANNVILLE Q	183	<0.01		.1		.1	.1	
62									
63	MANNVILLE R	238	0.05		11.9		11.9	6.6	5.3
64	MANNVILLE V	1 400	0.10		140		140	42.8	97.2
65	MANNVILLE W	371	<0.02		5.6		5.6	4.1	1.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
16	2.10	0.240	0.50	0.97	12	969	30	5 968	915.5	1977	80 11 - SUSP 80 03	3
16	2.30	0.350	0.40	0.97	13	960	30	6 140	801.3	1979	80 12 - SUSP 82 05	4
16	1.60	0.270	0.50	0.97	12	980	27	7 179	788.2	1980	81 04 - ABAND 81 09	5
432	8.63	0.280	0.25	0.97	10	980	26	5 385	753.1	1977	83 02 - GPP	6
16	2.60	0.290	0.40	0.97	12	990	27	6 131	782.7	1980	81 07 - SUSP 81 06	8
16	3.70	0.290	0.32	0.97	12	990	27	6 141	788.4	1980	81 07 - GPP	9
16	6.00	0.280	0.30	0.97	12	980	23	5 367	740.5	1981	81 10 - SUSP 81 08	10
16	3.20	0.300	0.25	0.97	14	980	29	5 900	820.4	1981	83 12 - ABAND 83 11	11
16	2.00	0.240	0.40	0.97	17	960	26	6 180	933.8	1981	81 10 - SUSP 82 01	12
16	3.80	0.270	0.37	0.97	12	980	26	5 500	741.8	1981	82 07 - GPP	14
16	1.70	0.250	0.49	0.97	10	988	29	5 681	772.7	1982	82 09 - GPP	15
16	1.00	0.280	0.30	0.97	11	940	30	5 369	708.4	1979	82 06	16
32	1.00	0.270	0.35	0.96	16	934	30	5 068	768.5	1981	83 12	17
16	3.30	0.290	0.47	0.96	17	945	18	5 635	780.0	1978	79 06 - GPP	18
32	3.00	0.250	0.36	0.97	11	922	28	2 600	878.9	1983	84 03 - PREV CONF	20
16	4.00	0.240	0.45	0.97	12	930	27	3 800	691.5	1982	83 10	21
16	8.00	0.300	0.17	0.97	12	976	28	5 400	699.0	1983	84 09	22
16	7.00	0.280	0.20	0.97	11	988	26	3 500	840.5	1982	82 09 - GPP	23
16	.70	0.240	0.45	0.97	11	931	26	2 055	828.1	1983	84 01 - SUSP 84 08	24
16	1.00	0.200	0.50	0.97	10	988	31	3 100	792.0	1983	83 09	26
64	2.30	0.230	0.48	0.96	18	865	32	7 000	1 028.1	1978	79 01	27
16	1.80	0.210	0.40	0.94	27	917	32	5 840	909.8	1976	79 05	28
16	3.40	0.280	0.35	0.97	10	980	27	6 099	795.3	1980	84 12 - SUSP 82 02	29
16	3.50	0.270	0.38	0.97	12	970	29	4 400	789.8	1980	81 01	30
32	1.50	0.210	0.60	0.95	18	945	32	5 280	780.3	1980	80 12 - GPP	32
32	13.00	0.290	0.15	0.91	36	903	32	5 833	899.9	1983	83 12 - PREV CONF	33
176	5.98	0.280	0.24	0.92	36	918	28	5 513	835.2	1983	84 09	34
16	5.70	0.310	0.15	0.90	26	928	28	5 360	804.9	1983	84 03 - PREV CONF	35
64	6.99	0.250	0.41	0.97	11	960	30	3 000	850.8	1981	84 09	36
16	1.80	0.240	0.40	0.90	41	939	30	8 200	817.9	1983	84 09 - PREV CONF	38
40	9.60	0.250	0.33	0.94	25	921	33	5 900	899.1	1975	84 05	39
192	13.46	0.300	0.23	0.94	25	921	33	5 460	892.6	1977	84 12	40
32	1.50	0.130	0.40	0.92	34	917	35	5 722	914.1	1981	82 03 - SUSP 84 08	41
32	4.35	0.260	0.18	0.88	41	888	28	11 076	1 032.0	1981	83 04	44
104	3.49	0.250	0.20	0.88	60	867	31	10 980	1 028.2	1981	84 06	45
32	1.40	0.160	0.40	0.89	40	905	21	11 128	1 066.3	1980	84 12 - SUSP 81 09	46
274	2.78	0.110	0.27	0.75	127	844	29	7 580	1 094.2	1958	81 12 - GPP	49
229	4.18	0.180	0.37	0.93	32	904	27	6 030	838.2	1960	75 06 - GPP	52
16	6.71	0.190	0.40	0.80	32	904	30	6 000	910.7	1966	68 04 - SUSP 67 10	53
21	5.61	0.110	0.25	0.75	32	910	28	6 270	948.2	1961	75 12 - GPP	54
16	3.66	0.110	0.25	0.75	32	904	28	6 210	879.7	1967	77 04 - SUSP 68 12	55
65	1.22	0.200	0.20	0.87	64	921	32	11 510	1 075.0	1965	65 05 - ABAND 66 01	58
454	2.13	0.218	0.30	0.86	64	921	39	11 580	1 086.1	1964	77 12 - GPP	59
65	1.77	0.172	0.27	0.86	45	946	37	11 810	1 106.7	1971	72 02 - ABAND 72 10	60
65	2.74	0.190	0.37	0.86	66	921	41	12 000	1 065.6	1971	74 04 - ABAND 74 03	61
96	2.25	0.197	0.35	0.86	14	921	38	11 550	1 091.1	1974	79 12	63
655	1.56	0.200	0.23	0.89	57	946	32	11 720	1 069.5	1976	84 10	64
96	3.53	0.185	0.32	0.87	57	921	32	12 030	1 134.9	1976	82 12	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction				10^3m^3		
1	HEAVY DENSITY POOLS (CONTINUED)								
2	RETLAW 012-18W4 (CONTINUED)								
3	MANNVILLE EE	247	0.05		12.4		12.4	3.7	8.7
4	MANNVILLE FF	178	<0.01		.1		.1		.1
5	MANNVILLE GG	92.7	<0.01		.1		.1	.1	
6	MANNVILLE MM	90.4	0.10		9.0		9.0	.4	8.6
7									
8	MANNVILLE PP	174	0.10		17.4		17.4	6.3	11.1
9	MANNVILLE UU	44.8	<0.01		.1		.1		.1
10	MANNVILLE WW	244	0.10		24.4		24.4		24.4
11	MANNVILLE AAA	195	0.01		2.0		2.0	1.2	.8
12	MANNVILLE BBB	1 300	0.05		65.0		65.0	8.4	56.6
13									
14	MANNVILLE FFF	413	0.10		41.3		41.3	5.5	35.8
15	MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
16	MANNVILLE KKK	105	<0.02		1.3		1.3	1.3	
17	MANNVILLE OOO	97.3	0.10		9.7		9.7	4.7	5.0
18	MANNVILLE TTT	21.3	0.10		2.1		2.1	1.1	1.0
19									
20	MANNVILLE B2B	44.1	0.05		2.2		2.2		2.2
21									
22	RIBSTONE 043-04W4								
23	SPARKY A	2 200	0.05		110		110	29.1	80.9
24	LLOYDMINSTER A	372	<0.01		.2		.2	.2	
25	LLOYDMINSTER B	163	0.05		8.2		8.2	1.3	6.9
26									
27	RICHDALE 030-13W4								
28	LOWER MANNVILLE G	80.0	0.10		8.0		8.0	5.3	2.7
29									
30	RIVERCOURSE 047-01W4								
31	COLONY A	245	<0.03		6.2		6.2	6.2	
32	COLONY B	265	<0.06		2.9		2.9	2.9	
33	SPARKY A	307	0.10		30.7		30.7	22.1	8.6
34	SPARKY B	283	0.02		5.7		5.7	2.8	2.9
35									
36	SPARKY C	263	0.01		2.6		2.6	1.6	1.0
37	SPARKY D	186	0.05		9.3		9.3	3.2	6.1
38	CUMMINGS A	2 530	0.05		127		127	26.9	100.1
39									
40	RONALANE 013-12W4								
41	LOWER MANNVILLE A	149	<0.01		1.2		1.2	1.2	
42	LOWER MANNVILLE B	855	0.05		42.7		42.7	36.6	6.1
43	LOWER MANNVILLE C	536	0.15		80.4		80.4	40.6	39.8
44	LOWER MANNVILLE D	71.5	<0.01		.4		.4	.4	
45									
46	SIBBALD 027-02W4								
47	UPPER MANNVILLE C	4 360	<0.06		256		256	131.8	124.2
48	UPPER MANNVILLE D	40.1	0.05		2.0		2.0		2.0
49	BAKKEN B	138	<0.01		.1		.1		.1
50									
51	SILER 057-07W4								
52	COLONY A	68.1	0.01		.7		.7		.7
53	GRAND RAPIDS A	168	0.05		8.4		8.4	.1	8.3
54									
55	SKIFF 005-14W4								
56	SAWTOOTH A	890	0.12		107		107	42.1	64.9
57	SAWTOOTH B	183	0.12		22.0		22.0	1.3	20.7
58	SAWTOOTH C	12.1	0.10		1.2		1.2	.7	.5
59									
60	ST. ANNE 054-05W5								
61	BANFF A	488	0.05		24.4		24.4	.7	23.7
62	BANFF B	193	0.10		19.3		19.3	.9	18.4
63	BANFF C	750	0.20		150		150	24.7	125.3

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION G O R m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
128	2.25	0.159	0.35	0.86	62	910	34	11 690	1 089.0	1978	83 09	3
65	3.05	0.160	0.35	0.87	59	910	35	11 690	1 121.0	1978	78 12 - ABAND 82 07	4
16	5.50	0.180	0.35	0.90	44	965	35	11 860	1 109.0	1978	82 12 - SUSP 79 10	5
32	1.80	0.220	0.18	0.87	50	922	37	11 880	1 093.0	1979	82 05 - GPP	6
32	4.80	0.200	0.35	0.87	89	916	37	11 542	1 072.5	1979	83 12	8
16	2.78	0.180	0.35	0.86	66	959	35	10 337	1 104.1	1980	83 12 - SUSP 81 06	9
32	5.50	0.230	0.30	0.86	60	921	38	11 785	1 108.4	1977	81 04	10
16	17.97	0.150	0.48	0.87	54	917	32	11 146	1 075.7	1980	83 12 - GPP	11
423	2.93	0.180	0.33	0.87	60	915	37	11 781	1 053.3	1981	84 10 - GPP	12
64	8.13	0.142	0.35	0.86	60	891	35	11 310	1 075.9	1981	82 05	14
32	1.30	0.240	0.37	0.86	60	930	32	11 703	1 101.4	1981	84 12 - SUSP 82 08	15
32	3.70	0.188	0.45	0.86	68	921	33	11 555	1 102.3	1981	84 12 - SUSP 82 12	16
32	3.40	0.160	0.35	0.86	62	925	32	11 394	1 110.5	1978	83 12	17
16	1.14	0.180	0.27	0.89	56	911	36	11 756	1 097.7	1982	83 03	18
32	1.50	0.180	0.40	0.85	64	920	33	11 809	1 094.7	1960	84 10	20
96	14.10	0.260	0.35	0.96	80	915	29	4 500	689.5	1971	80 12	23
65	3.05	0.280	0.30	0.96			29	4 860	661.4	1972	77 12 - SUSP 72 10	24
32	2.40	0.300	0.28	0.97	14	939	26	4 247	642.5	1975	83 02	25
64	1.53	0.170	0.46	0.89	44	916	38	9 500	1 104.3	1978	79 12	28
49	1.92	0.300	0.10	0.97	9	946	24		527.9	1965	75 07 - SUSP 71 04	31
16	6.15	0.340	0.20	0.99		972	26	3 500	521.9	1977	82 12 - SUSP 83 07	32
48	2.56	0.300	0.16	0.99	5	965	23	3 450	570.6	1974	84 12 - GPP	33
32	3.70	0.290	0.17	0.99	9	999	23	4 100	591.0	1978	82 12 - GPP	34
32	3.45	0.290	0.17	0.99	9	980	23	4 090	589.6	1978	80 10 - GPP	36
16	4.60	0.300	0.15	0.99	9	970	23	2 700	590.3	1978	82 06 - GPP	37
176	6.30	0.290	0.20	0.98	9	989	22	3 040	641.3	1978	83 08 - GPP	38
32	3.05	0.270	0.35	0.86	66	887	33	10 980	952.5	1972	83 12 - SUSP 78 11	41
93	6.86	0.230	0.32	0.86	21	887	36	10 830	939.1	1967	73 12	42
64	5.55	0.270	0.35	0.86	67	881	27	10 760	921.7	1975	84 12	43
16	3.96	0.200	0.35	0.86	60	887	36	10 480	925.1	1977	83 12 - SUSP 78 08	44
757	2.96	0.270	0.24	0.95	21	963	28	9 140	885.7	1977	84 08	47
16	2.00	0.240	0.45	0.95	22	962	28	7 736	868.0	1980	80 08 - SUSP 80 05	48
16	5.00	0.330	0.45	0.95	66	866	64	9 232	862.5	1980	80 09 - SUSP 80 08	49
16	2.20	0.290	0.32	0.98	7	989	25	3 050	496.9	1981	82 10 - SUSP 83 03	52
16	4.60	0.320	0.27	0.98	9	990	22	2 500	493.0	1980	82 10	53
320	2.42	0.180	0.15	0.85	30	941	33	9 190	922.1	1964	84 09	56
64	2.53	0.180	0.26	0.85	30	940	31	6 103	919.9	1983	84 09 - PREV CONF	57
16	1.00	0.120	0.30	0.90	22	964	31	9 200	919.0	1981	84 09	58
32	9.80	0.190	0.09	0.90	54	919	43	11 383	1 456.6	1978	83 11	61
32	7.56	0.160	0.44	0.89	45	947	43	10 108	1 454.6	1981	84 03	62
145	6.00	0.160	0.38	0.87	54	954	43	11 383	1 439.4	1981	84 06	63

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction				10^3m^3		
HEAVY DENSITY POOLS (CONTINUED)								
STANMORE 029-11W4								
LOWER MANNVILLE E	398	0.10		39.8		39.8	13.4	26.4
STROME 043-16W4								
ELLERSLIE A	37.3	0.10		3.7		3.7	2.1	1.6
STRY 057-13W4								
UPPER MANNVILLE O	48.3	0.05		2.4		2.4		2.4
SUFFIELD 018-06W4								
UPPER MANNVILLE A	20 800	0.01		208		208	60.8	147.2
UPPER MANNVILLE C	1 660	0.06		99.6		99.6	58.4	41.2
UPPER MANNVILLE D	769	<0.01		2.2		2.2	2.2	
UPPER MANNVILLE F	346	<0.01		.1		.1	.1	
UPPER MANNVILLE H	1 320	<0.01		.1		.1	.1	
UPPER MANNVILLE J	40 100	<0.01		300		300	116.4	183.6
UPPER MANNVILLE N	274	0.05		13.7		13.7	7.2	6.5
UPPER MANNVILLE O	137	0.03		4.1		4.1	.3	3.8
UPPER MANNVILLE Q	169	<0.01		.1		.1	.1	
UPPER MANNVILLE R	115	<0.01		.7		.7	.7	
UPPER MANNVILLE S	114	0.05		5.7		5.7	.4	5.3
UPPER MANNVILLE T	265	0.05		13.3		13.3	2.6	10.7
UPPER MANNVILLE U	273	0.05		13.7		13.7	9.8	3.9
UPPER MANNVILLE V	229	0.05		11.5		11.5	2.3	9.2
UPPER MANNVILLE W	66.6	<0.01		.2		.2	.2	
UPPER MANNVILLE X	59.2	<0.01		.1		.1	.1	
UPPER MANNVILLE Y	249	0.05		12.5		12.5	.7	11.8
UPPER MANNVILLE Z	187	0.03		5.6		5.6	.1	5.5
UPPER MANNVILLE EE	71.0	<0.01		.5		.5	.5	
LOWER MANNVILLE A	396	<0.01		.2		.2	.2	
LOWER MANNVILLE B	65.9	<0.01		.4		.4	.4	
LOWER MANNVILLE C	93.1	0.07		6.5		6.5	4.2	2.3
LOWER MANNVILLE D	77.1	<0.01		.2		.2	.2	
LOWER MANNVILLE E	104	<0.01		.1		.1	.1	
LOWER MANNVILLE G	136	<0.01		.1		.1		.1
LOWER MANNVILLE H	67.0	<0.01		.1		.1	.1	
LOWER MANNVILLE I	88.1	0.03		2.6		2.6		2.6
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128	0.05		6.4		6.4	2.2	4.2
LOWER MANNVILLE L	156	0.05		7.8		7.8	1.5	6.3
LOWER MANNVILLE M	100	0.05		5.0		5.0	1.9	3.1
LOWER MANNVILLE N	150	0.06		9.0		9.0	7.0	2.0
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120	<0.01		.8		.8	.8	
SUPERBA 026-03W4								
DETRITAL A	213	0.05		10.7		10.7	.1	10.6
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		.4		.4	.4	
COLONY A	89.8	0.03		2.7		2.7	1.1	1.6
COLONY D	129	<0.04		.2		.2	.2	
SPARKY A	98.8	0.05		4.9		4.9	.3	4.6
SPARKY B	64.3	<0.01		.1		.1	.1	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION G O R	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
128	1.90	0.240	0.26	0.92	28	939	35	9 055	1 035.1	1973	82 11	4
16	1.50	0.210	0.22	0.95	20	936	30	4 400	1 040.8	1969	84 11	7
16	1.60	0.280	0.29	0.95	21	957	22	5 086	537.8	1970	83 04	10
1 684	7.32	0.250	0.25	0.90	35	986	36	11 020	939.4	1976	82 12	13
112	9.72	0.240	0.30	0.91	37	952	32	10 690	975.7	1976	84 08 - GPP	14
65	7.68	0.270	0.37	0.91	43	940	32	9 890	964.4	1977	79 07 - SUSP 78 03	15
16	11.89	0.250	0.20	0.91	35	937	28	11 120	938.2	1977	82 12 - SUSP 77 05	16
65	12.19	0.270	0.32	0.91	30	972	31	10 050	909.8	1977	78 03 - SUSP 78 01	18
2 190	10.60	0.250	0.24	0.91	27	979	28	10 410	923.6	1977	84 07 - GPP	19
16	9.30	0.250	0.19	0.91	30	971	33	9 970	954.3	1978	83 12	20
16	6.40	0.210	0.30	0.91	30	982	32	10 160	994.3	1978	79 04	21
16	6.50	0.270	0.34	0.91	43	983	30	10 400	926.8	1979	80 02 - ABAND 80 08	22
16	5.50	0.200	0.30	0.93	34	957	31	9 230	994.0	1980	83 12 - SUSP 81 04	24
16	5.20	0.250	0.40	0.91	42	982	32	10 000	894.0	1980	80 07	25
16	10.00	0.280	0.35	0.91	29	982	26	10 943	927.0	1980	80 08 - SUSP 84 07	26
16	10.00	0.250	0.25	0.91	37	951	21	10 569	967.5	1980	80 08	27
16	9.00	0.250	0.30	0.91	20	966	25	10 563	924.0	1980	80 08	28
16	2.60	0.220	0.20	0.91	44	951	30	10 233	960.3	1980	83 12 - SUSP 83 12	30
16	2.30	0.250	0.30	0.92	37	958	32	10 406	952.2	1980	83 12 - SUSP 80 09	31
32	7.30	0.180	0.35	0.91	37	925	29	10 227	962.2	1981	82 08	32
64	1.50	0.330	0.35	0.91	35	967	31	9 834	1 004.5	1976	82 10	33
16	4.00	0.200	0.41	0.94	37	959	35	10 491	986.2	1977	84 08 - SUSP 83 04	34
65	7.01	0.160	0.40	0.91	35	952	35	9 590	1 001.9	1976	76 11 - SUSP 77 06	36
16	2.13	0.280	0.25	0.91	34	952	33	10 180	982.0	1977	83 12 - SUSP 78 08	37
32	2.46	0.200	0.35	0.91	27	972	34	9 080	951.6	1977	84 12	38
16	3.35	0.240	0.35	0.91	32	965	32	10 780	981.5	1977	78 04 - ABAND 78 05	39
16	4.57	0.220	0.30	0.91	32	959	27	10 960	1 008.0	1977	83 12 - ABAND 82 01	40
16	7.32	0.210	0.40	0.91	47	999	25	10 110	904.0	1978	78 11 - SUSP 78 12	42
16	3.30	0.210	0.35	0.93	30	986	33	10 060	914.9	1978	79 05 - SUSP 78 12	43
16	6.10	0.190	0.50	0.95	9	995	32	10 520	892.5	1978	79 03	44
16	3.40	0.250	0.35	0.91	30	969	35	10 560	1 006.0	1978	79 04 - ABAND 80 04	45
16	5.70	0.220	0.30	0.91	45	943	45	10 600	967.0	1980	80 09 - SUSP 84 07	46
16	6.30	0.230	0.25	0.90	27	978	31	11 166	967.3	1979	81 03 - SUSP 80 10	48
32	2.08	0.330	0.50	0.91	34	951	36	10 565	997.7	1982	83 12	49
16	7.21	0.210	0.32	0.91	44	965	35	9 650	974.6	1978	84 08 - GPP	50
32	2.00	0.250	0.20	0.94	27	940	35	10 070	1 059.0	1978	83 12 - SUSP 79 08	53
16	8.50	0.300	0.45	0.95	18	958	34	9 135	930.2	1981	82 12 - SUSP 83 04	56
16	2.10	0.320	0.13	0.99	10	977	25	4 190	565.6	1978	83 12 - ABAND 83 05	59
16	3.00	0.270	0.30	0.99	10	985	25	4 290	502.5	1980	83 01 - GPP	60
16	3.20	0.300	0.15	0.99			28		518.6	1980	82 10 - SUSP 83 07	61
16	3.20	0.300	0.35	0.99	7	985	25	2 850	536.4	1979	83 02 - GPP	62
16	2.00	0.290	0.30	0.99	7	994	25	2 850	547.5	1979	84 07 - ABAND 84 01	64

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		10^3m^3	fraction		10^3m^3				
1	HEAVY DENSITY POOLS (CONTINUED)								
2									
3	TABER 009-17W4								
4	MANNVILLE A	1 220	0.18		220		220	206.7	13.3
5	MANNVILLE C	734	<0.03		17.0		17.0	17.0	
6	MANNVILLE D TOTAL	10 300			707	1 730	2 440	1 682.7	757.3
7	PRIMARY AREA	674	0.10		67.4		67.4		
8									
9	WATER FLOOD AREA	9 600	<0.07	0.18	640	1 730	2 370		
10	MANNVILLE E	25.3	<0.01		.1		.1	.1	
11	MANNVILLE F	1 140	0.04		45.6		45.6	33.0	12.6
12	MANNVILLE G	529	0.01		5.3		5.3	4.1	1.2
13	MANNVILLE K	406	0.18		73.1		73.1	31.3	41.8
14									
15	TABER NORTH 011-16W4								
16	GLAUCONITIC A	8 000	0.35		2 800		2 800	333.5	2 466.5
17	GLAUCONITIC C	4 340	0.10		434		434	96.0	338.0
18	GLAUCONITIC D	35.3	0.10		3.5		3.5	1.0	2.5
19	GLAUCONITIC E	742	0.05		37.1		37.1	12.7	24.4
20									
21	GLAUCONITIC I	1 050	0.05		52.5		52.5	16.0	36.5
22	TABER A	1 950	0.12		235		235	175.8	59.2
23	TABER B	556	0.10		55.6		55.6	36.3	19.3
24	TABER C	2 490	0.08		200		200	164.4	35.6
25	TABER D	2 000	0.15		300		300	163.1	136.9
26									
27	TABER E	344	0.10		34.4		34.4	19.8	14.6
28	TABER I	115	0.10		11.5		11.5	5.8	5.7
29	TABER J	229	0.10		22.9		22.9	.2	22.7
30	TABER K	377	0.10		37.7		37.7	5.9	31.8
31	TABER L	98.8	0.10		9.9		9.9	.7	9.2
32									
33	TABER M	158	0.10		15.8		15.8	.1	15.7
34	TABER O	125	0.10		12.5		12.5		12.5
35	SAWTOOTH A	165	0.10		16.5		16.5		16.5
36									
37	TABER SOUTH 007-16W4								
38	MANNVILLE A TOTAL	9 270			458	912	1 370	890.8	479.2
39	PRIMARY AREA	149	0.01		1.5		1.5		
40	WATER FLOOD AREA	9 120	0.05	0.10	456	912	1 370		
41	MANNVILLE B TOTAL	7 160			483	1 470	1 950	1 813.0	137.0
42									
43	PRIMARY AREA	756	0.04		30.2		30.2		
44	WATER FLOOD AREA	6 400	0.07	0.23	453	1 470	1 920		
45	MANNVILLE C	281	<0.01		.6		.6	.6	
46	MANNVILLE D	591	0.05		29.6		29.6	2.5	27.1
47	MANNVILLE E	247	0.05		12.4		12.4	2.9	9.5
48									
49	MANNVILLE F	446	0.05		22.3		22.3	13.0	9.3
50									
51	TABER SOUTH-EAST 008-15W4								
52	MANNVILLE A	1 460	0.12		175		175	166.8	8.2
53	MANNVILLE C	173	0.10		17.3		17.3	12.4	4.9
54	MANNVILLE D	795	0.10		79.5		79.5	45.6	33.9
55									
56	TURIN 010-18W4								
57	FISH SCALE B	99.0	0.03		3.0		3.0	1.2	1.8
58	UPPER MANNVILLE C	2 060	0.15		309		309	149.4	159.6
59	UPPER MANNVILLE J	197	0.10		19.7		19.7		19.7
60	LOWER MANNVILLE E	520	0.15		78.0		78.0	47.2	30.8
61									
62	LOWER MANNVILLE L	2 290	0.15		344		344	192.9	151.1
63	LOWER MANNVILLE M	218	<0.01		.1		.1	.1	
64	LOWER MANNVILLE N	82.2	<0.01		.6		.6	.6	
65	LOWER MANNVILLE P	41.8	<0.01		.2		.2	.2	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m	fraction			m³/m³	kg/m³	°C	kPa	m			
247	3.86	0.210	0.35	0.94	23	921	33	10 270	983.0	1944	82 10 - GPP	4
65	8.53	0.218	0.35	0.94	20	946	38	10 760	991.5	1962	71 12 - ABAND 71 03	5
1 268					16	940	36	10 595	973.6	1942	82 12	6
128	4.81	0.190	0.40	0.96								7
1 140	6.20	0.209	0.33	0.97							- GPP	9
16	1.83	0.150	0.40	0.95	28	940	16	10 470	964.7	1974	78 11 - SUSP 78 07	10
153	5.79	0.210	0.35	0.94	23	921	33	10 780	983.3	1944	83 12 - GPP	11
142	3.10	0.200	0.36	0.94	23	946	33	10 395	995.5	1944	83 12 - GPP	12
100	3.32	0.200	0.35	0.94	23	921	33	10 422	993.0	1944	84 12 - GPP	13
386	11.70	0.240	0.21	0.93	58	879	30	10 650	948.5	1979	84 09	16
466	5.81	0.240	0.25	0.89	57	894	30	11 382	979.1	1980	84 07	17
16	4.80	0.100	0.50	0.92	36	937	32	7 429	974.5	1981	83 12	18
64	7.02	0.220	0.21	0.95	17	899	29	2 827	951.0	1978	84 11	19
32	18.00	0.240	0.20	0.95	17	899	29	2 827	952.0	1978	84 12	21
713	2.77	0.210	0.50	0.94	32	887	29	11 030	979.3	1966	70 08 - GPP	22
184	2.59	0.200	0.38	0.94	16	887	31	11 290	970.8	1967	84 12 - GPP	23
267	7.62	0.200	0.35	0.94	22	940	37	11 110	991.5	1974	77 11 - GPP	24
365	5.27	0.170	0.35	0.94	21	940	32	11 100	997.0	1976	83 12 - GPP	25
48	6.90	0.160	0.31	0.94	27	940	32	10 810	988.3	1977	80 04 - GPP	27
32	5.00	0.150	0.49	0.94	25	940	32	7 200	967.3	1981	82 05 - GPP	28
64	3.20	0.170	0.30	0.94	20	884	33	10 582	977.4	1982	83 06 - SUSP 84 10	29
64	5.40	0.200	0.42	0.94	15	896	54	3 461	980.9	1983	83 10 - PREV CONF	30
32	2.50	0.180	0.27	0.94	25	924	35	3 500	981.9	1983	83 11 - PREV CONF	31
64	3.60	0.140	0.48	0.94	15	893	54	3 461	981.2	1983	84 05 - PREV CONF	33
32	6.15	0.150	0.53	0.90	38	934	32	6 216	976.9	1983	84 11	34
64	2.00	0.200	0.30	0.92	35	895	29	8 400	995.0	1980	82 03	35
1 107					7	946	35	10 000	993.0	1963	82 12	38
16	8.00	0.200	0.40	0.97								39
1 091	7.01	0.205	0.40	0.97							- GPP	40
518					16	940	41	9 890	984.8	1963	81 12	41
98	3.52	0.259	0.10	0.94								43
420	6.95	0.259	0.10	0.94							- GPP	44
65	3.05	0.200	0.25	0.95	16	940	38	9 960	976.6	1965	67 11 - ABAND 67 06	45
80	4.36	0.220	0.18	0.94	23	896	30	10 030	976.6		84 11	46
32	6.25	0.180	0.30	0.98	21	930	32	10 260	994.3	1978	83 02	47
48	8.00	0.190	0.37	0.97	6		32	9 650	1 004.1	1979	80 09	49
380	3.41	0.200	0.40	0.94	16	915	29	10 070	972.6	1963	78 12 - GPP	52
32	6.10	0.170	0.46	0.96	16	934	36	9 780	949.2	1973	78 10	53
273	2.50	0.200	0.40	0.97	10	915	32	10 140	963.5	1974	77 07	54
65	1.22	0.220	0.40	0.95	20	881	27	4 780	684.6	1975	76 02 - SUSP 82 11	57
280	4.62	0.240	0.21	0.84	72	881	32	11 220	1 000.7	1974	83 10	58
48	6.63	0.150	0.52	0.86	68	831	31	10 790	987.1	1982	83 11	59
65	7.92	0.190	0.40	0.89	65	904	32	12 100	1 101.5	1974	83 12	60
700	3.10	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	83 12 - GPP	62
65	3.96	0.180	0.50	0.94	25	940	32	10 480	1 025.7	1974	82 12 - SUSP 74 11	63
32	2.44	0.180	0.35	0.89	53	921	32	11 135	1 008.6	1975	78 07 - SUSP 78 02	64
32	2.50	0.100	0.45	0.95	21	930	33	5 320	1 037.0	1977	83 12 - SUSP 79 09	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE 10³m³	PRIMARY fraction	ENHANCED fraction	PRIMARY 10³m³	ENHANCED 10³m³	TOTAL 10³m³	CUMULATIVE PRODUCTION 10³m³	REMAINING ESTABLISED RESERVES 10³m³
1	HEAVY DENSITY POOLS (CONTINUED)								
2	TURIN 010-18W4 (CONTINUED)								
3	LOWER MANNVILLE T	112	<0.01		.3		.3	.3	
4	LOWER MANNVILLE X	80.7	0.10		8.1		8.1	2.2	5.9
5	LOWER MANNVILLE BB	96.8	0.10		9.7		9.7	.6	9.1
6									
7	VERGER 022-15W4								
8	MANNVILLE A	78.2	<0.01		.3		.3	.3	
9	MANNVILLE D	2 180	<0.01		4.7		4.7	4.7	
10	MANNVILLE F	149	0.10		14.9		14.9	.8	14.1
11	UPPER MANNVILLE C	4 130	0.01		41.3		41.3	15.3	26.0
12									
13	VERMILION 050-05W4								
14	SPARKY A	10 500	<0.06		565		565	464.0	101.0
15									
16	VIKING-KINSELLA 047-11W4								
17	UPPER MANNVILLE B	289	<0.01		.3		.3	.3	
18	UPPER MANNVILLE C	77.0	0.05		3.9		3.9	3.4	.5
19	UPPER MANNVILLE K	100	<0.01		.1		.1	.1	
20	UPPER MANNVILLE R	764	<0.01		1.3		1.3	1.3	
21									
22	UPPER MANNVILLE X	39.8	0.02		.8		.8		.8
23	UPPER MANNVILLE CC	75.2	0.05		3.8		3.8	1.2	2.6
24	UPPER MANNVILLE QQ	146	0.05		7.3		7.3	.2	7.1
25	UPPER MANNVILLE CCC	469	0.05		23.5		23.5	2.0	21.5
26	WAINWRIGHT B TOTAL	22 600			906	3 640	4 550	3 279.7	1 270.3
27									
28	PRIMARY AREA	2 400	0.04		96.1		96.1		
29	WATER FLOOD AREA	20 200	0.04	0.18	808	3 640	4 450		
30	WAINWRIGHT D	1 020	0.05		51.0		51.0	2.1	48.9
31	WAINWRIGHT E	78.7	0.01		.8		.8	.8	
32	WAINWRIGHT H	136	<0.01		.7		.7	.7	
33									
34	WAINWRIGHT I	76.5	<0.01		.2		.2	.2	
35	LOWER MANNVILLE K	92.5	<0.01		.2		.2	.2	
36									
37	WAINWRIGHT 045-06W4								
38	VIKING,COLONY	137	0.07		9.6		9.6	4.7	4.9
39	GRVW&EE								
40	COLONY P	254	0.01		2.5		2.5	2.2	.3
41	COLONY CC	361	<0.06		20.3		20.3	9.0	11.3
42									
43	SPARKY B	439	0.03		13.2		13.2	9.5	3.7
44	SPARKY C	327	<0.01		.5		.5	.5	
45	SPARKY F	91.2	0.05		4.6		4.6	1.1	3.5
46	SPARKY G	99.0	0.05		5.0		5.0	2.9	2.1
47	SPARKY H	50.2	0.05		2.5		2.5		2.5
48									
49	SPARKY J TOTAL	190			10.9	12.8	23.7	16.0	7.7
50	PRIMARY AREA	47.6	0.05		2.4		2.4		
51	WATER FLOOD AREA	142	0.06	0.09	8.5	12.8	21.3		
52	SPARKY K	31.2	0.05		1.6		1.6	.7	.9
53	SPARKY L	31.0	0.05		1.6		1.6	.4	1.2
54									
55	SPARKY M	160	0.03		4.8		4.8	.8	4.0
56	WAINWRIGHT B	1 260	0.05		63.0		63.0	34.9	28.1
57	WAINWRIGHT C	2 100	0.06		126	ERSO	126	54.0	72.0
58	WAINWRIGHT &	40 200			2 160	9 210	11 400	8 593.1	2 806.9
59	SPARKY A TOTAL								
60									
61	PRIMARY AREA	6 140	<0.06		368		368		
62	WATER FLOOD AREA	34 100	<0.06	0.27	1 790	9 210	11 000		
63	GENERAL PETROLEUM B	658	<0.01		.4		.4	.4	
64	LLOYDMINSTER A	107	0.10		10.8		10.8	7.8	3.0
65	LLOYDMINSTER B	510	<0.01		4.0		4.0	4.0	

AND BASIC DATA, AS AT 31 DECEMBER 1984

9	10	11	12	13	14	15	16	17	18	19	20	
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATURATION	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED AND REMARKS	
ha	m		fraction		m³/m³	kg/m³	°C	kPa	m			
												1
												2
32	3.60	0.170	0.35	0.88	55	917	33	10 780	1 067.2	1979	82 01 - ABAND 83 02	3
128	.75	0.130	0.28	0.90	38	889	32	6 216	1 007.3	1981	83 05	4
16	3.70	0.210	0.18	0.95	20	956	33	10 924	1 000.2	1981	81 07 - GPP	5
												6
												7
16	4.00	0.200	0.35	0.94	19	960	40	5 000	1 062.9	1974	83 12 - ABAND 83 10	8
1 502	2.56	0.180	0.65	0.90	41	915	46	10 400	1 062.8	1971	82 12 - SUSP 80 06	9
64	1.50	0.260	0.33	0.89	45	892	38	9 961	1 170.3	1980	81 10 - SUSP 83 10	10
1 079	3.66	0.198	0.40	0.88	57	881	36	10 130	983.6	1971	74 12	11
												12
												13
1 757	2.77	0.280	0.20	0.96	11	965	27		560.8	1939	80 12 - GPP	14
												15
												16
65	2.13	0.290	0.23	0.94	21	927	34	4 830	717.5	1975	82 12 - SUSP 75 06	17
16	3.35	0.250	0.40	0.96	18	946	28	4 680	688.2	1975	82 12 - GPP	18
65	.91	0.290	0.39	0.96	19	952	29	5 360	765.7	1975	77 03 - SUSP 76 12	19
64	7.70	0.300	0.45	0.94	21	927	31	6 510	752.2	1972	77 12 - SUSP 79 12	20
												21
16	1.50	0.270	0.36	0.96		970	29	5 680	744.2	1978	79 04	22
16	2.40	0.300	0.32	0.96	10	939	33	5 210	733.0	1979	80 07	23
16	5.40	0.280	0.37	0.96	17	949	30	5 401	746.0	1980	81 12 - SUSP 83 09	24
192	1.87	0.233	0.34	0.85	64	864	33	5 050	765.3	1982	84 01 - GPP	25
3 317					15	927	27	4 840	653.2	1973	80 05	26
												27
624	1.99	0.300	0.33	0.96								28
2 693	3.89	0.300	0.33	0.96							- GPP	29
156	3.46	0.290	0.32	0.96	17	965	28	5 240	687.0	1976	78 12	30
16	2.44	0.280	0.25	0.96	17	965	27	5 050	672.7	1976	83 12 - SUSP 81 03	31
32	2.21	0.300	0.34	0.97	15	958	27	4 980	688.1	1978	83 12 - SUSP 80 12	32
												33
16	2.20	0.310	0.27	0.96	10	956	34	4 970	740.9	1978	82 12 - SUSP 80 02	34
16	2.70	0.300	0.17	0.86	70	996	31	5 610	843.1	1977	83 12 - SUSP 83 12	35
												36
												37
32	1.95	0.330	0.30	0.95	20	946	30	5 507	605.3	1975	83 04	38
												39
65	1.83	0.310	0.27	0.95	15	946	27	3 990	626.7	1972	77 02 - GPP	40
48	3.69	0.300	0.30	0.97	16	955	31	4 340	596.6	1973	84 04 - GPP	41
												42
48	7.42	0.250	0.47	0.93	14	959	27	4 740	645.0	1967	82 12 - GPP	43
65	2.13	0.330	0.25	0.96	16	959	31	4 343	657.0	1976	77 12 - SUSP 77 06	44
32	2.30	0.240	0.40	0.93	15	921	27	3 850	639.7	1978	79 11	45
32	2.00	0.260	0.38	0.96	16	945	25	4 510	635.5	1978	81 12 - GPP	46
16	3.00	0.220	0.50	0.95	23	950	28	4 519	627.6	1980	80 09 - SUSP 83 07	47
												48
80					14	960	30	4 547	657.9	1981	84 09	49
16	1.91	0.270	0.38	0.93								50
64	1.40	0.270	0.37	0.93							- GPP	51
8	2.50	0.250	0.33	0.93	32	904	30	3 000	615.8	1981	82 04	52
8	2.30	0.270	0.35	0.96	16	921	33	4 816	614.4	1982	83 08 - PREV CONF	53
												54
32	3.00	0.290	0.40	0.96	16	920	33	4 816	714.5	1982	83 12	55
500	1.71	0.270	0.43	0.96	14	904	27	3 100	662.8	1975	84 12	56
363	3.63	0.260	0.34	0.93	15	921	27	4 770	690.2	1926	84 08	57
6 074					15	921	27	4 830	639.5	1925	84 12	58
												59
												60
1 129	2.87	0.300	0.32	0.93								61
4 945	3.25	0.313	0.27	0.93							- GPP	62
65	5.18	0.310	0.32	0.93	24	904	23	4 030	638.6	1975	76 07 - ABAND 76 02	63
8	7.92	0.300	0.40	0.93	14	921	28	4 310	654.4	1968	69 02 - GPP	64
64	3.39	0.330	0.25	0.95	32	959	28	4 480	679.7	1974	83 12 - ABAND 83 03	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

		1	2	3	4	5	6	7	8
			POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
	POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
		$10^3 m^3$	fraction		$10^3 m^3$				
1	HEAVY DENSITY POOLS (CONTINUED)								
2	WAINWRIGHT 045-06W4 (CONTINUED)								
3	LLOYDMINSTER C	88.9	<0.01		.1		.1		.1
4	NISKU A	204	0.05		10.2		10.2	4.2	6.0
5									
6	WARWICK 052-14W4								
7	UPPER MANNVILLE J	726	0.05		36.3		36.3	23.6	12.7
8	UPPER MANNVILLE V	38.8	<0.01		.1		.1		.1
9									
10	WILDMERE 048-05W4								
11	UPPER MANNVILLE A	69.8	0.03		2.1		2.1	1.6	.5
12	COLONY I	338	0.05		16.9		16.9	3.8	13.1
13	SPARKY B	2 720	0.06		164		164	134.8	29.2
14	SPARKY G	164	<0.02		2.2		2.2	2.2	
15									
16	SPARKY H	132	0.04		5.4		5.4	2.5	2.9
17	SPARKY I	40.2	0.03		1.2		1.2	.1	1.1
18	SPARKY J	340	0.02		6.8		6.8	.9	5.9
19	SPARKY M	65.6	0.05		3.3		3.3	.1	3.2
20	SPARKY N	2 390	0.05		120		120	8.8	111.2
21									
22	SPARKY O	733	0.05		36.7		36.7	1.2	35.5
23	SPARKY P	37.8	0.05		1.9		1.9		1.9
24	GENERAL PETROLEUM A	251	0.05		12.6		12.6	7.6	5.0
25	GENERAL PETROLEUM B	84.2	0.03		2.5		2.5	.3	2.2
26	SPARKY R &	119	0.03		3.6		3.6		3.6
27	GENERAL PETROLEUM C								
28									
29	LLOYDMINSTER B	217	<0.01		1.4		1.4	1.4	
30	LLOYDMINSTER C	2 050	0.03		61.5		61.5	21.0	40.5
31	LLOYDMINSTER D	401	0.02		8.0		8.0	2.8	5.2
32	LLOYDMINSTER E	140	0.05		7.0		7.0	1.2	5.8
33	LLOYDMINSTER F	190	0.05		9.5		9.5	.3	9.2
34									
35	LLOYDMINSTER G	143	0.05		7.2		7.2	.3	6.9
36	LLOYDMINSTER H	133	0.05		6.7		6.7	.2	6.5
37	LLOYDMINSTER I	97.0	0.05		4.9		4.9	1.0	3.9
38	LLOYDMINSTER K	184	0.03		5.5		5.5	.2	5.3
39	LLOYDMINSTER L	169	0.05		8.5		8.5	.7	7.8
40									
41	LLOYDMINSTER M	177	0.05		8.9		8.9	.5	8.4
42	LLOYDMINSTER N	216	0.05		10.8		10.8	.5	10.3
43	LLOYDMINSTER O	216	0.05		10.8		10.8	1.2	9.6
44	LLOYDMINSTER A &	39 100			1 950	960	2 910	1 221.9	1 688.1
45	SPARKY E TOTAL								
46									
47	PRIMARY AREA	27 100	0.05		1 350		1 350		
48	WATER FLOOD AREA	12 000	0.05	0.08	600	960	1 560		
49									
50	WRENTHAM 006-16W4								
51	GLAUCONITIC A	67.4	0.05		3.4		3.4	3.0	.4
52	GLAUCONITIC B	229	0.10		22.9		22.9	4.4	18.5
53	LOWER MANNVILLE A	368	0.07		25.8		25.8	12.1	13.7
54	LOWER MANNVILLE B	1 260			106	118	224	177.7	46.3
55	TOTAL								
56									
57	PRIMARY AREA	280	0.10		28.0		28.0		
58	WATER FLOOD	982	0.08	0.12	78.0	118	196		
59	LOWER MANNVILLE C	1 650			148	59.7	208	166.4	41.6
60	TOTAL								
61	PRIMARY AREA	800	0.10		80.0		80.0		
62									
63	WATER FLOOD AREA	853	0.08	0.07	68.3	59.7	128		
64	LOWER MANNVILLE E	554	0.05		27.7		27.7	14.9	12.8
65	LOWER MANNVILLE F	500	0.05		25.0		25.0	8.2	16.8

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9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 WATER SATURATION fraction	13 SHRINKAGE fraction	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
16	3.00	0.300	0.35	0.95	21	952	28	6 400	663.8	1981	82 05 - ABAND 81 12	3
32	5.83	0.170	0.33	0.96	14	957	24	3 493	646.3	1982	84 04	4
128	3.42	0.275	0.33	0.90	22	910	29	5 670	652.6	1971	79 12	7
16	1.52	0.270	0.40	0.97	11	927	29	5 210	584.9	1977	79 12 - ABAND 78 10	8
16	1.83	0.320	0.24	0.97	15	952	21	4 140	595.0	1975	77 07 - GPP	11
48	2.95	0.330	0.27	0.99	8	977	22	2 930	574.3	1980	83 06 - GPP	12
433	2.38	0.320	0.15	0.97	15	959	32	6 900	607.7	1965	75 12 - GPP	13
64	1.75	0.280	0.46	0.97	14	939	26	5 874	600.0	1979	81 02 - SUSP 82 03	14
48	1.60	0.290	0.39	0.97	10	953	25	3 216	549.7	1979	81 05 - GPP	16
16	1.20	0.300	0.28	0.97	10		25	4 000	548.7	1980	81 05	17
32	5.62	0.300	0.35	0.97	13	950	25	3 792	590.2	1979	82 10 - GPP	18
16	2.20	0.320	0.40	0.97	12	984	25	3 241	586.9	1981	82 05 - SUSP 84 05	19
176	6.14	0.300	0.24	0.97	14	966	23	3 500	562.6	1982	84 12	20
112	3.06	0.300	0.28	0.99	10	973	28	3 000	657.8	1983	84 08 - PREV CONF	22
16	1.80	0.260	0.48	0.97	13	981	21	3 360	561.4	1977	84 08	23
48	2.50	0.300	0.28	0.97	11	935	29	4 400	625.1	1977	83 12	24
16	2.50	0.310	0.30	0.97	11	950	29	4 400	621.3	1981	84 03	25
32	2.00	0.360	0.35	0.97	11	982	29	4 400	622.3	1981	84 12	26
16	5.48	0.310	0.19	0.99	9	965	26	3 790	591.6	1973	82 12 - SUSP 78 09	29
208	4.52	0.290	0.24	0.99	9	993	27	4 740	646.5	1978	84 12 - GPP	30
32	4.92	0.310	0.17	0.99	9	997	25	4 570	686.1	1978	84 12 - GPP	31
16	4.20	0.280	0.25	0.99	12	997	24	4 555	648.9	1980	82 04 - GPP	32
16	5.00	0.300	0.20	0.99	9	990	25	4 570	672.5	1981	82 05	33
16	4.00	0.300	0.25	0.99	9	984	25	4 570	631.3	1981	82 07 - SUSP 82 12	35
16	4.00	0.270	0.22	0.99	9	996	29	4 570	684.0	1981	82 10 - SUSP 83 09	36
16	3.50	0.250	0.30	0.99	9	988	23	4 570	650.3	1982	82 10 - GPP	37
16	5.70	0.280	0.25	0.96	38	952	24	4 725	701.7	1983	83 11 - PREV CONF	38
16	5.00	0.290	0.25	0.97	16	983	26	4 564	652.6	1983	84 02	39
16	5.50	0.290	0.30	0.99	27	979	25	6 200	643.5	1982	83 04	41
16	5.80	0.300	0.20	0.97	16	932	26	4 564	644.8	1982	83 05	42
16	7.10	0.280	0.30	0.97	16	987	26	4 564	649.3	1983	84 02	43
2 517						946	26	4 765	618.6	1966	81 02 - GPP	44
1 893	5.99	0.320	0.23	0.97								47
624	8.05	0.320	0.23	0.97								48
16	3.07	0.200	0.27	0.94	22	934	37	5 730	994.0	1976	77 12	51
48	4.16	0.200	0.39	0.94	22	930	34	9 603	979.2	1982	84 09	52
64	4.70	0.190	0.33	0.96	10	934	36	9 629	975.0	1967	82 12	53
96					10	934	31	9 630	945.5	1967	84 02	54
32	6.06	0.220	0.33	0.98								57
62	10.90	0.220	0.33	0.98							- GPP	58
316					10	934	31	9 550	941.2	1967	83 12 - GPP	59
155	3.57	0.220	0.33	0.98							79 05 - GPP - MRL	61
161	3.66	0.220	0.33	0.98								63
96	5.07	0.170	0.31	0.97	10	937	30	9 050	952.6	1979	84 11	64
80	6.19	0.180	0.41	0.95	10	935	30	2 165	1 003.7	1979	84 05	65

TABLE 2-4 (continued) RESERVES OF CONVENTIONAL CRUDE OIL

	1	2	3	4	5	6	7	8
		POOL RECOVERY		INITIAL ESTABLISHED RESERVES				
POOL	INITIAL VOLUME IN-PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISED RESERVES
	10^3m^3	fraction		10^3m^3				
HEAVY DENSITY POOLS (CONTINUED)								
UNDEFINED AND CONFIDENTIAL POOLS	42 554			2 004		2 004	250.8	1 761.3
TOTAL HEAVY CRUDE OIL	1 104 581.7			73 398.8	43 032.8	116 487.8	73 964.7	42 530.4
PROVINCIAL TOTAL OF LIGHT-AND-MEDIUM AND HEAVY CRUDE OIL	7 268 959.5			1 431 512.1	626 709.2	2 058 809.4	1 418 176.5	640 678.3
	(45 742 618)(1)					(12 955 820)(1)		(4 031 705)(1)

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(1) Imperial equivalent in thousands of stock-tank barrels.

AND BASIC DATA, AS AT 31 DECEMBER 1984

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY	12 WATER SATURATION fraction	13 SHRINKAGE	14 INITIAL SOLUTION G O R m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATIONAL DEPTH m	19 DISCOVERY YEAR	20 DATE LAST REVIEWED AND REMARKS	
												1
												2
												3
												4
												5
												6
												7
												8
												9
												10
												11
												12

3 CRUDE BITUMEN AND SYNTHETIC CRUDE OIL RESERVES

3.1 INITIAL IN-PLACE VOLUMES OF CRUDE BITUMEN

In early August 1984, the Board issued, pursuant to the new Oil Sands Conservation Act, three Oil Sands Area Orders (OSA Orders) which formally established the Athabasca, Cold Lake and Peace River oil sands areas. The OSA Orders provide an outline of the areal extent of the crude bitumen occurrences and the specific geological zones which had been declared as oil sands deposits. As a result of these orders, the Bluesky-Gething reserves, which have been shown under the Buffalo Head Hills area in previous reserves reports, were incorporated into the Peace River oil sands deposit. In addition, the Wabiskaw-McMurray (Mannville) reserves in the Lindbergh-Elk Point general area which have previously been included in the heavy oil reserves were declared crude bitumen reserves and have been included under the Wabiskaw-McMurray reserves for the Cold Lake Area.

There were a number of minor changes in the initial-in-place volumes of crude bitumen which can be attributed to continued drilling and development of the oil sands deposits. Also, there were several recently mapped carbonate occurrences which have been evaluated and included in this report. The Nisku carbonate has been mapped and designated within the Athabasca deposit, and the Upper and Lower Debolt and Shunda carbonates have been evaluated in the Peace River deposit. The geological character and initial estimate of Alberta's crude bitumen are presented in Board reports [1-5] dating back to 1963.

Initial in-place volumes of crude bitumen in each deposit were estimated for this report using drillhole data available to the end of 1984. The crude bitumen within the Cretaceous sands was determined using a minimum saturation of 3 mass per cent crude bitumen, a minimum saturated zone thickness of 1.5 metres, and a "building block" approach to identify the in-place volume. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block.

Changes to the area regarded as surface-mineable are due to additional drilling and the redistribution of reserves among overburden categories. In addition, the boundary of the surface mineable area has been expanded to include Townships 95 and 98, Range 7 and Township 97, Range 6, all West of the 4th Meridian.

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1 Oil and Gas Conservation Board, 1963. A Description and Reserve Estimate of the Oil Sands of Alberta. Calgary, Alberta.

2 Energy Resources Conservation Board, 1974. Geology and Proved In-Place Reserves of the Cold Lake Oil Sands Deposits. ERCB Report 73-L. Calgary, Alberta.

3 ________________________________, 1974. Geology and Proved In-Place Reserves of the Peace River Oil Sands Deposit. Calgary, Alberta.

4 ________________________________, 1976. Geology and Proved In-Place Reserves of the Wabasca Oil Sands Deposits. ERCB Report 76-A. Calgary, Alberta.

5 Strom, N., R. B. Dunbar, and F. J. Mink, 1980. Bitumen Resources of Alberta; Recovery and Conversion to Synthetic Oil Supply Paper No. 80-31-08, 31st Annual Technical Meeting, Petroleum Society of CIM.

The carbonate volumes in-place were determined on the basis of geological mapping rather than the building-block method. A minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs in this evaluation.

The total initial volume of crude bitumen in-place for the designated deposits at 31 December 1984 was estimated as 265.6 billion cubic metres. This represents an increase of 15.6 billion cubic metre or 6 per cent over the estimate published a year ago. The initial in-place volumes for individual deposits are presented in Table 3-1.

3.2 SURFACE-MINEABLE CRUDE BITUMEN AND SYNTHETIC CRUDE OIL RESERVES

The initial in-place reserves of crude bitumen for the surface-mineable area were determined using isopach net pay maps of that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject thicknesses generally do not exceed 75 metres. Potential mining areas were identified by economic stripping-ratio criteria. These criteria are fully explained in Appendix III of ERCB Report 79-H[6].

Within the potential mining areas, the initial in-place volume of potentially mineable crude bitumen was established to be 12.4 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard dumps), environmental protection corridors along major rivers, and transportation and utility corridors, and assuming a mining/extraction recovery factor of 0.75, the resulting surface-mineable initial established reserves of crude bitumen are estimated at 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

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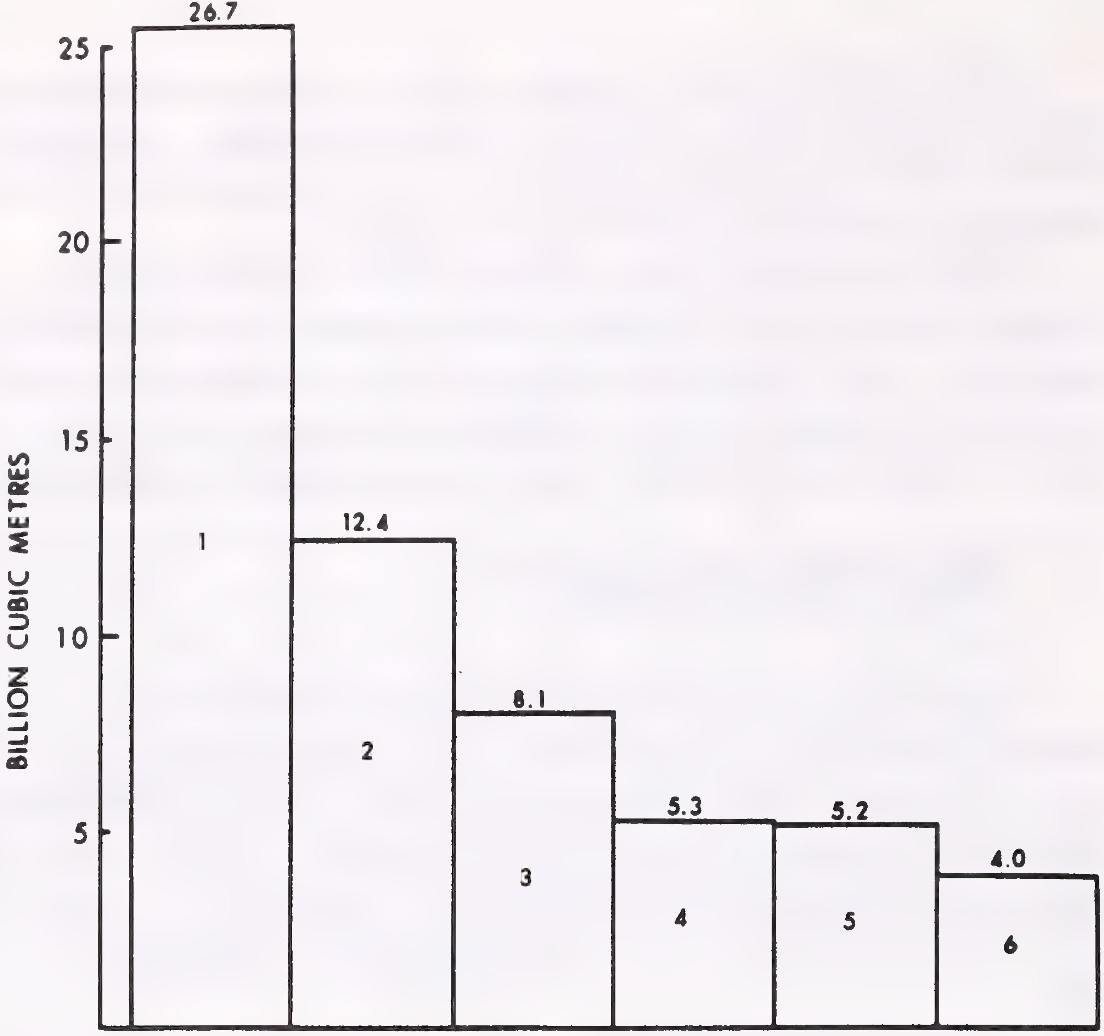
[6] Energy Resources Conservation Board, 1979. Alsands Fort McMurray Project. ERCB Report 79-H. Calgary, Alberta.



1. ULTIMATE POTENTIAL IN-PLACE VOLUME. Gross volume of crude bitumen interpreted to exist within the surface mineable boundary.
2. INITIAL IN-PLACE MINEABLE VOLUME. Gross volume of crude bitumen interpreted to exist within the surface mineable boundary and identified by economic stripping-ratio criteria.
3. INITIAL ESTABISHED MINEABLE VOLUME. Reserve excluding mineable areas unavailable due to environmental buffer zones, utility and transportation corridors.
4. INITIAL ESTABLISHED MINEABLE RESERVE. Reserves excluding additional areas unavailable due to placement of mine surface facilities and mining/extraction recovery losses.
5. REMAINING ESTABLISHED MINEABLE RESERVE. Less cumulative production.
6. SYNTHETIC CRUDE OIL. Yield from initial established mineable reserve.

FIGURE 3-1 RESERVES CATEGORIES WITHIN THE SURFACE-MINEABLE AREA

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology employed, the use of any residual materials produced, and the degree to which off-site energy sources are employed. Currently employed technology (carbon rejection) has a yield factor estimated to be 0.75. Using this yield factor, initial established reserves of synthetic crude oil for the surface-mineable areas are 4.0 billion cubic metres.

While the surface-mineable established reserve value is consistent with the existing terminology and definitions for established reserves utilized in this report, the Board is aware of the marked difference between methodology for interpreting and assigning established reserves compared with what may be defined as "reserves under active development". For the mineable reserves, this would include only the approved Suncor and Syncrude projects. The estimated mineable crude bitumen reserves under active development are shown below:

Development	Initial Volume in-Place	Initial Established	Cumulative Production	Remaining Established	Area
	10^6 m^3				ha
Suncor	192	140	56	84	1800
Syncrude	252	248	41	207	2850
Total	444	388	97	291	4650

3.3 IN SITU CRUDE BITUMEN RESERVES

The Board has assigned established reserves for the commercial in situ projects and a combined total for all the active experimental field-demonstration projects. Also, an established reserve has been estimated for the primary production areas as a result of the incorporation of the Lindbergh-Elk Point reserves into the designated oil sands area.

The initial established reserve of 11.5 million cubic metres for Phases I to IV of the Esso commercial scheme is based on 360 wells drilled to the end of 1984 and a recovery factor of 15 per cent.

For the drilled wells in the experimental schemes, an established reserve figure of 20.2 million cubic metres is considered to be appropriate based on current well productivity, cumulative production, and the projected production to the expiry date of each experimental scheme. Information from a total of 1383 wells were used in determining the experimental scheme reserves figure.

The initial established reserve for the Lindbergh Area was estimated to be 10.4 million cubic metres based on a 2 per cent average primary recovery factor for the Cummings sands.

The Board's estimate of the established in situ crude bitumen reserves under active development at 31 December 1984 is shown below:

Development	Initial Volume in-Place	Initial Established Reserves	Number of Wells
	10^6 m^3		
Esso Cold Lake Project Phases I-IV	77	11.5	360
Experimental Schemes	177	20.2	1383
Lindbergh-Primary Areas	518	10.4	320
Total	772	42.1	2063

ERCB

Reserves of Crude Bitumen and Basic Data

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TABLE 3-1 RESERVES OF CRUDE BITUMEN AND BASIC DATA, AS AT 31 DECEMBER 1984

	1	2	3	4		5	6
Area, Deposit Overburden Depth, Zone	Initial Volume in Place	Areal Extent	Average Pay Thickness	Average Bitumen Content		Average Porosity	Average Water Saturation
m	10^6 m^3	10^3 ha	m	fraction by mass	fraction by vol.	fraction by vol.	pore volume fraction
ATHABASCA							
Wabiskaw-McMurray							
0- 20	7 190	97	33	0.101		0.30	0.30
20- 40	9 990	128	38	0.098		0.30	0.28
40- 80	7 220	100	36	0.095		0.30	0.31
80-120[a]	2 270	26	46	0.098		0.30	0.30
80-750+	117 800	4 329	19	0.069		0.28	0.38
Subtotal	144 470						
Upper Grand Rapids							
150-450+	4 140	334	9	0.062		0.30	0.45
Subtotal	4 140						
Middle Grand Rapids							
150-450+	1 410	182	5	0.077		0.30	0.32
Subtotal	1 410						
Lower Grand Rapids							
150-450+	1 220	173	6	0.051		0.30	0.55
Subtotal	1 220						
Grosmont							
D	19 890	1 063	16		0.67	0.20	0.33
C	15 390	1 189	10		0.75	0.16	0.25
B	5 380	976	5		0.69	0.15	0.31
A	9 840	939	10		0.60	0.14	0.40
Subtotal	50 500						
Nisku							
200-800+	10 330	499	8		0.55	0.21	0.37
Subtotal	10 330						
COLD LAKE							
Upper Grand Rapids							
300-600	7 400	816	6	0.065		0.30	0.42
Subtotal	7 400						
Lower Grand Rapids							
Cold Lake Area	11 647	741	12	0.069		0.31	0.40
Lindbergh Area							
Sparky	45	7	4	0.074		0.31	0.30
Lower Grand Rapids #2	15	3	3	0.099		0.31	0.31
Lower Grand Rapids #3	40	4	5	0.085		0.31	0.26
Lower Grand Rapids #4	180	22	4	0.092		0.33	0.24
Lloydminster	275	10	12	0.102		0.33	0.21
Subtotal	12 202						

TABLE 3-1 (continued)

	1	2	3	4		5	6
Area, Deposit Overburden Depth, Zone	Initial Volume in Place	Areal Extent	Average Pay Thickness	Average Bitumen Content		Average Porosity	Average Water Saturation
m	10^6 m^3	10^3 ha	m	fraction by mass	fraction by vol.	fraction by vol.	pore volume fraction
Clearwater							
300-600	10 620	561	12	0.072		0.30	0.44
Subtotal	10 620						
Wabiskaw-McMurray							
Cold Lake Area	3 165	582	6	0.057		0.25	0.49
Lindbergh Area							
Cummings #1	283	32	5	0.089		0.30	0.27
Cummings #2	235	25	5	0.089		0.31	0.24
McMurray	272	27	5	0.093		0.31	0.19
Subtotal	3 955						
PEACE RIVER							
Bluesky-Gething							
300-700	500	187	4	0.061		0.24	0.48
Subtotal	500						
Bluesky-Bullhead							
300-750+	11 400	800	14	0.45		0.24	0.58
Subtotal	11 400						
Upper Debolt							
500-800	1 580	60	13		0.61	0.19	0.39
Subtotal	1 580						
Lower Debolt							
500-800	4 310	96	32		0.70	0.18	0.30
Subtotal	4 310						
Shunda							
500-800	1 540	72	14		0.54	0.20	0.46
Subtotal	1 540						
Total[b]	265 577 (1 670 429)[c]						

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a Within the current mineable area.
b Discrepancies are due to rounding.
c Imperial equivalent in million of barrels.

4 ESTABLISHED RESERVES OF MARKETABLE GAS

4.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1984 to be 1798 billion cubic metres, having a thermal (heating value) energy content of 70.0 exajoules. This represents a net decrease of 28 billion cubic metres since 31 December 1983. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in Section 4.6. The changes in reserves during 1984 are shown below:

	Remaining Established Reserves of Marketable Gas			
	Actual Heating Value Basis	Change	37.4 MJ/m^3 Basis	Energy Content
	10^9 m^3			10^{18} J
At 31 December 1983				
Associated and solution	280.4			
Non-associated	1 545.8			
Total	1 826.2		1 898.7	71.0
Additions during 1984	40.5		42.2	1.6
Less production during 1984	68.3		68.7	2.6
At 31 December 1984				
Associated and solution	286.0	+ 5.6	312.8	11.7
Non-associated	1 512.4	-33.4	1 559.4	58.3
Total	1 798.4	-27.8	1 872.2	70.0
	(63 832)[a]		(66 394)[b]	

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[b] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1984 gas reserves were assigned to 17 821 pools in the province. Of these, 5551 were on production and had remaining established reserves of 1257 billion cubic metres after cumulative production of 1164 billion. The 12 270 pools not on production had aggregate initial established reserves of marketable gas of 541 billion cubic metres, including 42 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 RESERVES OF GAS CONTAINING HYDROGEN SULPHIDE

The gas in 1101 of the pools is sour (ie. contains at least some hydrogen sulphide). The remaining established reserves of raw gas in these pools totalled 558 billion cubic metres.

The distribution of established reserves of gas not containing and containing hydrogen sulphide is shown below:

	Raw Gas		Marketable Gas		
Type of Gas	Initial Volume in Place	Producible	Initial Established Reserves	Net Cumulative Production	Remaining Established Reserves
	10^6 m^3				
Sweet	3 489 352	2 464 547	2 179 482	783 719	1 395 763
Sour	1 444 131	1 085 800	782 832	380 203	402 629
Total	4 933 483 (175 108)[a]	3 550 347 (126 015)[a]	2 962 314 (105 144)[a]	1 163 922 (41 312)[a]	1 798 392 (63 832)[a]

Of the annual 1984 production of 68.3 billion cubic metres, some 16 billion were classified as sour.

Sulphur reserves are discussed in Chapter 7.

4.3 DISTRIBUTION OF RESERVES OF GAS, BASED ON POOL SIZE

The distribution of initial established reserves of marketable gas among pools of different size ranges is shown below:

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

Reserve Range	Number of Pools	Initial Established Reserves	Percentage of Total Pools	Percentage of Total Reserves
10^6 m^3		10^6 m^3		
3000 or more	144	1 606 864	0.8	54.2
1500-2999	90	183 889	0.5	6.2
300-1499	796	467 569	4.5	15.8
1-299	16 791	703 992	94.2	23.8
Total	17 821	2 962 314 (105 144)[a]	100.0	100.0

4.4 GROWTH OF MARKETABLE GAS RESERVES

The addition of some 41 billion cubic metres to the initial established reserves during 1984 included some 10 billion resulting from new discoveries made during the year. The remaining 31 billion were attributed to development drilling and the reassessment of previously discovered reserves and reserves discovered before 1984 but first recognized by the Board in 1984. The quantity of reserves added in 1984 was similar to 1983 but less than half of the annual average for the last decade. The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial recoverable marketable gas reserves were revised by more than 1000 million cubic metres in 1984 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by the operators and Board staff.

4.5 FOOTHILLS RUNDLE TREND RESERVES

By General Bulletin GB 83-6 the Board scheduled a gas reserves review of a number of Foothills pools of the Rundle Group in the Mississippian Formation and requested submissions from industry to assist in the review. Gas reserves in pools in 24 fields and areas extending from township 1 to township 50 were studied in detail except for Rundle pools in the Waterton, Pincher Creek and Lookout Butte fields. The latter pools were reviewed in previous years. The study represented some 7.5 per cent of the Provinces' initial established reserves of marketable gas. The aggregate reserves in these pools were approximately 50 per cent depleted at the time of the study. As a result of the study the aggregate initial established reserves of marketable gas of the pools were reduced from 235.6 billion cubic metres to 222.1 billion, a net change of 13.5 billion. Gas-in-place volumes were reassessed based on revised geological mapping and material balance up-dates, while recovery factors were based on production decline projections and general performance experience.

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.6 RESERVES OF POOLS SUBJECT TO GAS CYCLING

Reserves of certain gas pools in which gas has been or is being cycled are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each gas-cycling pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted. The Board plans to review the reserves of a number of other cycling pools and to convert their recovery and surface loss factors to an energy basis.

4.7 RESERVES OF ETHANE AND NATURAL GAS LIQUIDS INCLUDED IN GAS RESERVES

The remaining established reserves of natural gas discussed in Section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain will be extracted later at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1798 billion to 1718 billion cubic metres and from 70.0 to 63.9 exajoules, respectively. Ethane and natural-gas-liquid reserves are discussed in more detail in Chapters 5 and 6, respectively.

The volumes of ethane and natural gas liquids removed at reprocessing plants and deducted from the remaining established reserves of marketable gas are shown at the end of Table 4-5.

4.8 DISCUSSION OF RESERVES TABLE 4-5

The established reserves of marketable gas have been estimated having regard for information presented by the industry in submissions and studies by the Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file[1]. Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

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[1] The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1984 is available in the following forms:

(a) Magnetic computer tape of the gas reserve file.

(b) A 4-volume publication of gas reserves and reserve factors in photoreduced form.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool have not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the injected gas credited to the pool has been adjusted to reflect the decrease due to losses in the reservoir and in handling and processing. Gas injected is therefore included in the remaining established reserves of marketable gas (column 6).

The marketed gas production for 1984 was 68 billion cubic metres. It is emphasized that because changes, due to errors or to amendments to production reports, have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, net production volumes for any year should not be calculated from cumulative numbers appearing in this and previous reports. (The actual net production of marketable gas is reported in the Board's publication ERCB ST 85-17, "Alberta Oil and Gas Industries - Annual Statistics" and for 1984 was 66.0 billion cubic metres.) The principal purchasers of gas from particular fields are shown in column 20. This information is current for those applications which were considered in the gas-removal proceedings of 1982[2]. The remaining portion of this information has not been reviewed recently and the notations should be used with caution.

4.8 OTHER MATTERS

A summary of the geological distribution of established reserves of gas is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 71 billion cubic metres at 31 December 1984. A reduction in reserves under contract to principal purchasers of Alberta gas has substantially contributed to the increase of 32 billion cubic metres in these reserves over last years estimate.

The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1984.

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[2] Energy Resources Conservation Board, 1983. Gas Removal Permit Applications Decisions. ERCB Report D 83-B. Calgary, Alberta.

TABLE 4-1 MAJOR GAS RESERVE CHANGES 1984

	1	2	3
	Initial Established Reserves		
Pool	1984 10^6 m^3	Change	Main Reasons for Change
Benjamin Rundle B	1 030	-1 570	Re-evaluation of initial volume in place and recovery factor
Brazeau River Elkton-Shunda B	28 000	-8 286	Re-evaluation of initial volume in place and recovery factor
Caroline Basal Mannville Y	2 300	+1 300	Development
Figure Lake Upper Mannville B and D-2 B	1 160	-1 319	Re-evaluation of initial volume in place and recovery and surface loss factors
Jumping Pound West Rundle A and B	36 000	+5 680	Re-evaluation of initial volume in place
Stolberg Rundle A, B, C and D	3 984	-7 014	Re-evaluation of initial volume in place and recovery factor

Table 4-1 (continued)

	1	2	3
	Initial Established Reserves		
Pool	1984 10^6 m^3	Change	Main Reasons for Change
Stolberg Rundle E, F and G	997	-1 223	Re-evaluation of initial volume in place and recovery factor
Three Hills Creek Pekisko	3 500	+1 290	Re-evaluation of initial volume in place and recovery and surface loss factors
Westerose South Glauconitic A	15 000	+1 000	Development
Whiskey Rundle A	900	-1 920	Re-evaluation of initial volume in place and recovery factor
Whitecourt Jurassic C	2 600	+1 400	Re-evaluation of initial volume in place
Willesden Green Glauconitic C	4 000	+1 600	Development
Total		- 9 062	

TABLE 4-2 RESERVES OF GAS-CYCLING POOLS AND THEIR RECOVERY AND FUEL AND SHRINKAGE FACTORS CALCULATED ON AN ENERGY BASIS
As at 31 December 1984

Pool	1 Raw Gas Initial Volume in Place 10^6 m^3	2 Raw Gas Gross Heating Value MJ/m^3	3 Initial Energy in Place 10^6 MJ	4 Recovery Factor fraction	5 Fuel & Shrinkage (Surface Loss Factor) fraction	6 Initial Marketable Gas Energy 10^6 MJ	7 Marketable Gas Gross Heating Value MJ/m^3	8 Initial Established Reserves of Marketable Gas 10^6 m^3
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	812	72.19	58 643	0.75	0.60	17 593	41.01	429
Brazeau River Nisku M	1 250	76.22	95 250	0.75	0.60	28 575	41.36	681
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Carstairs Elkton A	29 910	40.30	1 205 380	0.90	0.23	835 328	40.16	20 800
Harmattan East Rundle	36 782	50.26	1 848 649	0.85	0.26	1 162 800	38.76	30 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	874	55.40	48 400	0.85	0.32	27 975	42.71	655
Kaybob Beaverhill Lake C	1 947	63.77	124 187	0.85	0.42	61 224	41.09	1 490
Kaybob South Beaverhill Lake A	104 424	47.90	5 001 905	0.70	0.58	1 470 560	40.40	36 400
Ricinus Cardium B	537	56.87	30 559	0.85	0.48	13 507	40.44	334
Westpem Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709

TABLE 4-3 DISTRIBUTION OF ESTABLISHED RESERVES OF GAS BY GEOLOGICAL PERIOD
As at 31 December 1984

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10^6 m^3			TJ	Percentage of total			
Tertiary								
Tertiary	70	36	2	1 235				
Subtotal	70	36	2	1 235				
Upper Cretaceous								
Belly River	64 586	37 962	11 409	1 017 008	1.30	1.28	0.98	1.45
Milk River & Med Hat	356 688	231 899	86 919	5 264 226	7.22	7.82	7.46	7.51
Cardium	222 268	72 564	23 689	1 944 435	4.50	2.44	2.03	2.77
Second White Specks	61 988	43 941	12 960	1 126 977	1.25	1.48	1.11	1.60
Other	24 429	16 357	2 612	541 114	0.49	0.55	0.22	0.77
Subtotal	729 959	402 723	137 589	9 893 760	14.79	13.59	11.82	14.12
Lower Cretaceous								
Viking	358 858	263 801	125 780	5 259 136	7.27	8.90	10.80	7.51
Basal Colorado	41 606	33 060	25 159	302 213	0.84	1.11	2.16	0.43
Mannville	1 236 036	830 922	224 954	23 513 849	25.05	28.04	19.32	33.58
Other	38 130	26 400	10 464	622 634	0.77	0.89	0.89	0.88
Subtotal	1 674 630	1 154 183	386 357	29 697 832	33.94	38.96	33.19	42.41
Jurassic								
Jurassic	49 041	34 848	12 988	874 094	0.99	1.17	1.11	1.24
Other	32 905	22 489	1 239	836 027	0.66	0.75	0.10	1.19
Subtotal	81 946	57 337	14 227	1 710 121	1.66	1.93	1.22	2.44
Triassic								
Triassic	32 922	20 821	4 272	677 364	0.66	0.70	0.36	0.96
Other	32 088	23 050	820	856 929	0.65	0.77	0.07	1.22
Subtotal	65 010	43 871	5 092	1 534 293	1.31	1.48	0.43	2.19
Permian								
Belloy	8 887	5 900	900	193 329	0.18	0.19	0.07	0.27
Other	300	221	-	8 522	-	-	-	0.01
Subtotal	9 187	6 121	900	201 851	0.18	0.20	0.07	0.28

Table 4-3 (continued)

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10^6 m^3			TJ	Percentage of total			
Mississippian								
Rundle	969 561	593 373	318 228	10 938 265	19.65	20.03	27.34	15.62
Other	59 130	42 689	20 139	885 729	1.19	1.44	1.73	1.26
Subtotal	1 028 691	636 062	338 367	11 823 994	20.85	21.47	29.07	16.88
Upper Devonian								
Wabamun	198 820	89 456	43 558	1 735 455	4.03	3.01	3.74	2.47
Nisku	81 167	39 860	11 828	1 097 674	1.64	1.34	1.01	1.56
Leduc	444 046	234 780	144 979	3 713 517	9.00	7.92	12.45	5.30
Beaverhill Lake	327 452	142 649	44 826	3 878 052	6.63	4.81	3.85	5.53
Other	81 066	40 435	27 131	510 428	1.64	1.36	2.33	0.72
Subtotal	1 132 551	547 180	272 322	10 935 126	22.95	18.47	23.39	15.61
Middle Devonian								
Sulphur Point	11 713	7 925	580	293 431	0.23	0.26	0.04	0.41
Muskeg	2 921	1 625	202	59 258	0.05	0.05	0.01	0.08
Keg River	40 785	19 371	4 203	683 342	0.82	0.65	0.36	0.97
Other	22 508	7 321	4 081	136 531	0.45	0.24	0.35	0.19
Subtotal	77 927	36 242	9 066	1 172 562	1.57	1.22	0.77	1.67
Beyond economic reach	122 383	71 252	-	2 763 853	2.48	2.40	-	3.94
Confidential[a]	11 129	7 307	-	285 677	0.22	0.24	-	0.40
Total	4 933 483	2 962 314	1 163 922	70 020 304	100.00[b]	100.00[b]	100.00[b]	100.00[b]
	(175 108)[c]	(105 144)[c]		(66 394)[d]				

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[a] Some "confidential" reserves included in "beyond economic reach" category.

[b] Discrepancies are due to rounding.

[c] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[d] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot gas.

TABLE 4-4 POOLS IN MULTI-FIELD POOLS, AND THEIR INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS
As at 31 December 1984

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Belly River Pool No. 1	
Bashaw Belly River C	718
Nevis Belly River C	482
Total	1 200
Milk River Pool No. 1	
Alderson Milk River A	13 360
Atlee-Buffalo Milk River A	5 500
Bantry Milk River A	5 980
Bindloss Milk River A	1 010
Bow Island Milk River A	67
Brooks Milk River A	295
Cassils Milk River A	1 650
Cessford Milk River A	2 780
Connorsville Milk River A	676
Countess Milk River A	5 890
Jenner Milk River A	3 510
Johnson Milk River A	356
Kitsim Milk River A	125
Leckie Milk River A	365
Matziwin Milk River A	1 880
Medicine Hat Milk River A	30 620
Newell Milk River A	956
Princess Milk River A	7 770
Suffield Milk River A	20 690
Verger Milk River A	5 230
Wintering Hills Milk River A	1 290
Total	110 000

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Medicine Hat Pool No. 1	
Alderson Medicine Hat A	2 800
Atlee-Buffalo Medicine Hat A	2 470
Bantry Medicine Hat A	3 410
Bassano Medicine Hat A	418
Bindloss Medicine Hat A	372
Brooks Medicine Hat A	44
Cassils Medicine Hat A	840
Cessford Medicine Hat A	6 800
Connorsville Medicine Hat A	1 920
Countess Medicine Hat A	7 600
Estuary Medicine Hat A	135
Eyremore Medicine Hat A	118
Gleichen Medicine Hat A	450
Hussar Medicine Hat A	2 950
Jenner Medicine Hat A	1 300
Johnson Medicine Hat A	12
Kitsim Medicine Hat A	270
Lathom Medicine Hat A	245
Leckie Medicine Hat A	137
Matziwin Medicine Hat A	1 430
Medicine Hat Medicine Hat A	50 000
Newell Medicine Hat A	71
Princess Medicine Hat A	4 350
Seiu Lake Medicine Hat A	290
Suffield Medicine Hat A	11 200
Verger Medicine Hat A	6 000
Wayne-Rosedale Medicine Hat A	1 130
Wintering Hills Medicine Hat A	3 980
Total	110 742

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Medicine Hat Pool No. 3	
Alderson Medicine Hat C	670
Atlee-Buffalo Medicine Hat C	11
Bantry Medicine Hat C	915
Bow Island Medicine Hat C	12
Brooks Medicine Hat C	11
Cassils Medicine Hat C	100
Cessford Medicine Hat C	110
Countess Medicine Hat C	75
Jenner Medicine Hat C	36
Matziwin Medicine Hat C	16
Medicine Hat Medicine Hat C	2 620
Newell Medicine Hat C	44
Princess Medicine Hat C	350
Suffield Medicine Hat C	586
Verger Medicine Hat C	84
Total	5 640
Medicine Hat Pool No. 4	
Alderson Medicine Hat D	180
Atlee-Buffalo Medicine Hat D	22
Bantry Medicine Hat D	60
Bindloss Medicine Hat D	3
Bow Island Medicine Hat D	2
Brooks Medicine Hat D	1
Cessford Medicine Hat D	480
Countess Medicine Hat D	14
Jenner Medicine Hat D	70
Matziwin Medicine Hat D	99

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^{6} m^{3}
Medicine Hat Medicine Hat D	2 330
Newell Medicine Hat D	18
Princess Medicine Hat D	250
Suffield Medicine Hat D	1 000
Verger Medicine Hat D	180
Total	4 709
Cardium Pool No. 1	
Ansell Cardium FF	213
Edson Cardium FF	380
Galloway Cardium FF	250
Total	843
Second White Specks Pool No. 1	
Alderson Second White Specks A	12 500
Atlee-Buffalo Second White Specks A	47
Bantry Second White Specks A	1 650
Bow Island Second White Specks A	830
Cessford Second White Specks A	410
Jenner Second White Specks A	1 130
Johnson Second White Specks A	98
Matziwin Second White Specks A	60
Medicine Hat Second White Specks A	4 869
Princess Second White Specks A	5 530
Suffield Second White Specks A	11 200
Verger Second White Specks A	1 850
Total	40 174

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Bow Island Pool No. 1	
Medicine Hat Bow Island C	332
Suffield Bow Island C	313
Total	645
Viking Pool No. 1	
Fairydell-Bon Accord Upper Viking A	1 000
Fairydell-Bon Accord Middle Viking A	2 800
Fairydell-Bon Accord Middle Viking B	511
Peavey Upper Viking A	12
Redwater Upper Viking A	1 940
Redwater Middle Viking A	597
Redwater Lower Viking A	233
Westlock Middle Viking B	210
Total	7 303
Viking Pool No. 2	
Beaverhill Lake Upper Viking A & B, Middle Viking A and Lower Viking A	4 800
Bellshill Lake Upper Viking A	134
Birch Upper and Middle Viking A	47
Bruce Upper Viking A and Middle Viking A & B	3 500
Dinant Upper Viking A	53
Fort Saskatchewan Upper and Middle Viking A	7 500
Holmberg Upper Viking A	82
Killam Upper and Middle Viking A	1 400
Killam North Upper and Middle Viking A, Basal Mannville C and Nisku A	1 100
Mannville Upper and Middle Viking A	213

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Sedgewick Upper Viking A	179
Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	29 000
Total	48 008
Viking Pool No. 3	
Carbon Viking D	1 056
Ghost Pine Viking D	631
Total	1 687
Viking Pool No. 4	
Fenn-Big Valley Viking B	493
Fenn West Viking B	249
Lousana Viking B	10
Total	752
Viking Pool No. 5	
Hudson Viking A	660
Sedalia Viking A	1 400
Sedalia Viking C	2 000
Sedalia Viking D	6
Sedalia Viking E	369
Sedalia Upper Mannville D	42
Sedalia Lower Mannville B	478
Total	4 955

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Viking Pool No. 6	
Ashmont Viking A	731
Bellis Viking A	34
Cache Viking A	1 790
Canard Viking A	304
Clay Viking A	864
Corrin Viking A	924
Craigend Viking A	4 500
Duvernay Viking A	1 240
Duvernay Viking M	40
Glendon Viking A	35
Hairy Hill Viking A	590
Owlseye Viking A	120
Plain Viking A	38
St. Paul Viking A	192
Stry Viking A	367
Sugden Viking A	4 180
Therein Viking A	269
Ukalta Viking A	266
Whitford Viking A	990
Willingdon Viking A	322
Willingdon Viking B	6
Total	17 802
Viking Pool No. 7	
Bruce Upper Viking C	52
Inland Upper Viking C	735
Warwick Upper Viking C	32
Total	819

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Viking Pool No. 8	
Bruce Middle Viking C	209
Inland Middle Viking C	395
Total	604
Viking Pool No. 10	
Goodridge Viking F	146
Jarvie Viking F	94
Westlock Viking F	251
Total	491
Viking Pool No. 11	
Jarvie Viking G	66
Westlock Viking G	112
Total	178
Viking Pool No. 12	
Atlee-Buffalo Viking A	17
Suffield Viking A	32
Total	49
St. Edouard Pool No. 1	
Hairy Hill St. Edouard A	1 320
Plain St. Edouard A	470
Ukalta St. Edouard A	301
Willingdon St. Edouard A	280
Total	2 371

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
St. Edouard Pool No. 3	
Ukalta St. Edouard B	268
Whitford St. Edouard B	400
Total	668
Glauconitic Pool No. 2	
Gleichen Glauconitic J	479
Hussar Glauconitic J	336
Total	815
Glauconitic Pool No. 3	
Bonnie Glen Glauconitic A	1 700
Ferrybank Glauconitic A	1 660
Total	3 360
Glauconitic Pool No. 4	
Cessford Glauconitic T	248
Cessford Mannville HH	799
Wayne-Rosedale Glauconitic T	1 330
Total	2 377
Glauconitic Pool No. 5	
Bigoray Glauconitic I	890
Pembina Glauconitic I	2 580
Pembina Lobstick Glauconitic D	130
Total	3 600

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Bluesky Pool No. 1	
Boyer Bluesky A & Gething A	11 295
Haro Bluesky A	5 000
Rainbow Bluesky A	4 690
Rainbow South Bluesky A	39
Sousa Bluesky A	928
Steen Bluesky A	256
Virgo Bluesky A	314
Total	22 522
McMurray Pool No. 1	
Chard McMurray B	1 518
Newby McMurray B	246
Total	1 764
Ellerslie Pool No. 1	
Connorsville Glauconitic A	241
Connorsville Glauconitic B	22
Connorsville Glauconitic C	166
Connorsville Glauconitic E	190
Connorsville Ellerslie A	2 700
Wintering Hills Ellerslie A	1 290
Total	4 609

Table 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Cadomin Pool No. 1	
Elmworth Cadomin A	4 820
Sinclair Cadomin A	2 730
Wapiti Cadomin A	6 750
Total	14 300
Halfway Pool No. 1	
Valhalla Halfway B	1 400
Wembley Halfway B	1 900
Total	3 300
Debolt Pool No. 1	
Cranberry Debolt A	1 720
Hotchkiss Debolt A	2 870
Total	4 590
Banff Pool No. 1	
Haro Banff E	255
Rainbow Banff E	15
Rainbow South Banff E	101
Total	371

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Reserves of Gas and Basic Data

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TABLE 4-5 RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	ABEE 062-22W4									
2	TOTAL-ABEE	2477			1578	400	1178		45655	
3	ACADIA 026-04W4									
4	TOTAL-ACADIA	185			132	3	129		4828	
5	ACHESON 052-26W4									
6	D-3 A SOLN	2107	.74	.30	1093	914	179	39	7035	
7	OTHER	1756			1090	494	596		23365	
8	TOTAL-ACHESON	3863			2183	1408	775		30400	
9	ACHESON EAST 052-25W4									
10	TOTAL-ACHESON EAST	591			159	62	97		3811	
11	ACME 026-26W4									
12	TOTAL-ACME	202			131		131		5307	
13	ADEN 001-09W4									
14	RUNDLE A	958	.85	.15	692	332	360	38	14015	530
15	OTHER	581			402	209	193		7219	
16	TOTAL-ADEN	1539			1094	541	553		21234	
17	AERIAL 029-18W4									
18	TOTAL-AERIAL	678			394	60	334		13351	
19	AETNA (SA) 002-25W4									
20	TOTAL-AETNA	137			104		104		3893	
21	AKUINU 066-03W5									
22	TOTAL-AKUINU	595			399	34	365		13539	
23	ALBERS 042-07W4									
24	TOTAL-ALBERS	127			88		88		3386	
25	ALBRIGHT 072-09W6									
26	TOTAL-ALBRIGHT	686			474		474		17742	
27	ALCOMDALE 057-26W4									
28	TOTAL-ALCOMDALE	264			165		165		6115	
29	ALDER 045-07W5									
30	TOTAL-ALDER	139			94		94		3765	
31	ALDERSON 015-11W4									
32	MILK RIVER A	20090	.70	.05	13360			36 (1)		157212
33										
34	MEDICINE HAT A	4124	.70	.03	2800			36 (1)		67579
35	MEDICINE HAT C	1382	.50	.03	670			36 (1)		57722
36	MEDICINE HAT D	371	.50	.03	180			36 (1)		15754
37	SE ALTA GAS SYS(MU) TOTAL	25967	.70	.05	17010	6594	10416	36 (1)	378205	
38	SECOND WHITE SPECKS A	17544	.75	.05	12500	5415	7085	36	257256	143705
39	UPPER MANNVILLE M	448	.85	.10	342	19	323	41	13301	440
40	OTHER	6900			4763	546	4217		167008	
41	TOTAL-ALDERSON	50859			34615	12574	22041		815770	
42	ALEXANDER 056-27W4									
43	BASAL QUARTZ A	4299	.94	.03	3920	3827	93	39 (1)	3690	4698
44	OTHER	283			159	72	87		3455	
45	TOTAL-ALEXANDER	4582			4079	3899	180		7145	
46	ALEXIS 055-05W5									
47	BANFF A SOLN	386	.65	.40	151 (2)			39		
48	BANFF A ASSOC	330	.85	.10	266 (2)	21 (2)	396	39	15713	375
49	OTHER	247			171		171		6659	
50	TOTAL-ALEXIS	963			588	21	567		22372	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
						.70		1950	1984	NUL	6
											7
											8
											9
											10
											11
											12
											13
9.30	.100	.80	6850	30	.884	.59	876.3	1960	1981	CMG MATERIAL BALANCE	14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
											31
5.05	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	32
										DECLINE	33
1.41	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	34
.61	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	35
.60	.139	.60	4450	19	.921	.58	487.7	1973	1984	PART OF MED HAT POOL NO.4	36
								1904	1984	CWNGNUL KANNGAZ TCPL	37
1.57	.216	.60	5690	27	.899	.57	630.0	1939	1984	CWNGNUL KANNGAZ TCPL PART OF 2WS POOL NO.1	38
6.00	.200	.65	11270	33	.803	.64	1003.3	1971	1983	TCPL	39
											40
											41
											42
3.11	.220	.80	9210	45	.845	.65	1168.6	1954	1980	NORCEN MATERIAL BALANCE	43
											44
											45
											46
						.66		1968	1979	PANALTA CONCURRENT PRODUCTION	47
8.63	.131	.65	11410	52	.835	.66	1351.5	1968	1979	PANALTA CONCURRENT PRODUCTION	48
											49
											50

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
1 ALIX 040-23W4									
2 TOTAL-ALIX	840			435	77	358		14646	
3 ALKALI 024-05W4									
4 TOTAL-ALKALI	96			68		68		2520	
5 ALLIANCE 040-13W4									
6 TOTAL-ALLIANCE	60			40		40		1496	
7 ALSASK 027-01W4									
8 TOTAL-ALSASK	752			526	73	453		17188	
9 ALSIKE 049-02W5									
10 TOTAL-ALSIKE	19			13		13		516	
11 ALTARIO 035-01W4									
12 TOTAL-ALTARIO	582			399		399		15009	
13 AMADOU 073-20W4									
14 TOTAL-AMADOU	108			63		63		2358	
15 AMBER 115-07W6									
16 TOTAL-AMBER	2007			1195	170	1025		45058	
17 AMELIA (SA) 010-27W4									
18 TOTAL-AMELIA	35			22		22		840	
19 AMESBURY (SA) 070-16W4									
20 TOTAL-AMESBURY	23			11		11		412	
21 AMIGO 119-07W6									
22 TOTAL-AMIGO	1346			871		871		36931	
23 AMISK 041-08W4									
24 TOTAL-AMISK	2783			1887	291	1596		60918	
25 AMMIN (SA) 060-05W6									
26 TOTAL-AMMIN	1280			887		887		33682	
27 ANATOLE 031-03W4									
28 TOTAL-ANATOLE	198			133	2	131		4903	
29 ANDREW (SA) 043-15W4									
30 TOTAL-ANDREW	105			70		70		2699	
31 ANGLING 060-02W4									
32 TOTAL-ANGLING	372			225	167	58		2171	
33 ANGLO 019-18W4									
34 TOTAL-ANGLO	302			213	10	203		7597	
35 ANKERTON 044-15W4									
36 TOTAL-ANKERTON	673			432		432		16171	
37 ANNE (SA) 003-21W4									
38 TOTAL-ANNE	81			58		58		2085	
39 ANSELL 052-20W5									
40 GETHING 02-052-20	773	.75	.10	522		522	37	19538	200
41 OTHER	2020			715	1	714		27307	
42 TOTAL-ANSELL	2793			1237	1	1236		46845	
43 ANTE CREEK 065-24W5									
44 PEACE RIVER A	637	.80	.05	485	100	385	41	15854	1472
45 BEAVERHILL LAKE SOLN	2026	.60	.20	972	726	246	40	10037	
46 OTHER	724			433	-313	746		30731	
47 TOTAL-ANTE CREEK	3387			1890	513	1377		56622	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
19.80	.120	.70	26000	79	.904	.65	2971.2	1981	1981	TCPL	40
2.43	.210	.70	12130	54	.840	.62	1670.9	1962	1984	TCPL	44
								1963	1983	A&S TCPL	45

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 ANTE CREEK NORTH 067-23W5									
2 TOTAL-ANTE CREEK NORTH	1357			996	3	993		41306	
3 ANTELOPE 030-01W4									
4 COLONY A	557	.85	.05	450	108	342	37	12931	3052
5 OTHER	1064			680	239	441		17322	
6 TOTAL-ANTELOPE	1621			1130	347	783		30253	
7 ANTHONY (SA) 083-24W5									
8 TOTAL-ANTHONY	25			12		12		454	
9 ANTLER (SA) 048-24W5									
10 BLAIRMORE 31-048-23	1139	.90	.10	923		923	37	34548	200
11 PEKISKO 33-048-24	740	.80	.10	533		533	41	21949	128
12 TOTAL-ANTLER	1879			1456		1456		56497	
13 APETOWN (SA) 052-25W5									
14 NISKU 22-052-22	873	.75	.45	360		360	39	14148	200
15 TOTAL-APETOWN	873			360		360		14148	
16 APHRODITES (SA) 014-01W5									
17 TOTAL-APHRODITES	316			242		242		9058	
18 ARDENODE 066-25W4									
19 TOTAL-ARDENODE	58			38		38		1422	
20 ARGUS (SA) 103-08W6									
21 TOTAL-ARGUS	52			32		32		1258	
22 ARMADA 016-19W4									
23 TOTAL-ARMADA	843			568	89	479		18192	
24 ARMISIE 052-25W4									
25 TOTAL-ARMISIE	193			73	16	57		2049	
26 ARMITAGE 074-13W4									
27 TOTAL-ARMITAGE	268			134		134		5016	
28 ARNESON 025-02W4									
29 TOTAL-ARNESON	419			313	48	265		10964	
30 ARTLAND 044-02W4									
31 TOTAL-ARTLAND	271			182		182		6812	
32 ARVILLA 058-01W5									
33 TOTAL-ARVILLA	395			257	6	251		9609	
34 ASHMONT 060-11W4									
35 VIKING A	1183	.65	.05	731		731	37	27361	21610
36									
37 OTHER	1132			725	164	561		21393	
38 TOTAL-ASHMONT	2315			1456	164	1292		48754	
39 ASSINEAU (SA) 073-09W5									
40 TOTAL-ASSINEAU	143			106		106		3968	
41 ASTOTIN 054-19W4									
42 TOTAL-ASTOTIN	677			423	96	327		12832	
43 ATHABASCA 066-23W4									
44 GRAND RAPIDS B	663	.80	.05	504	177	327	37	12240	2155
45 OTHER	1281			854	199	655		24331	
46 TOTAL-ATHABASCA	1944			1358	376	982		36571	
47 ATHABASCA EAST 066-22W4									
48 TOTAL-ATHABASCA EAST	1661			1098	410	688		26916	
49 ATIM 054-26W4									

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10 AVERAGE PAY THICKNESS m	11 POROSITY	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
1.56	.310	.45	7650	26	.868	.58	768.4	1957	1982	MIP	4
22.82	.200	.65	20820	84	.865	.71	2088.5	1977	1978	BER	10
30.84	.090	.80	33270	108	.955	.63	4015.2	1977	1982	TOP/BASE TVD	11
57.69	.040	.65	35300	109	.901	.81	4121.7	1981	1982		14
1.03	.253	.50	3890	15	.914	.58	420.1	1949	1982	MIP PANALTA PWGE TCPL PART OF VIK POOL NO.6	35
3.41	.356	.65	3640	17	.915	.60	491.6	1952	1981	PWGE TCPL	44

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	ATIM 054-26W4 (CONTINUED)									
2	TOTAL-ATIM	53			43	42	1		40	
3	ATLEE BUFFALO 021-06W4									
4	MILK RIVER A	8271	.70	.05	5500			36 (1)		70290
5										
6	MEDICINE HAT A	3637	.70	.03	2470			36 (1)		63184
7	MEDICINE HAT C	23	.50	.03	11			36 (1)		1106
8	MEDICINE HAT D	45	.50	.03	22			36 (1)		2666
9	SE ALTA GAS SYS (MU) TOTAL	11976	.70	.05	8003	2899	5104	36 (1)	185326	
10	VIKING H	811	.85	.05	654	536	118	36 (1)	4328	11372
11	OTHER	4500			3094	249	2845		104013	
12	TOTAL-ATLEE BUFFALO	17287			11751	3684	8067		293667	
13	ATMORE 067-17W4									
14	MCMURRAY A	687	.80	.05	522	98	424	37	15713	9955
15	MCMURRAY B							37		5043
16	NISKU A							37		2080
17	NISKU A & MCMURRAY B TOTAL	1154	.70	.05	768	666	102	37	3780	
18	OTHER	1838			1108	252	856		31156	
19	TOTAL-ATMORE	3679			2398	1016	1382		50649	
20	AUBURNDALE 047-06W4									
21	TOTAL-AUBURNDALE	1207			782	199	583		21820	
22	BADGER 016-18W4									
23	UPPER MANNVILLE B ASSOC	834	.90	.05	713			38		536
24	UPPER MANNVILLE B ASSOC	15	.75	.05	10			38		23
25	UPPER MANNVILLE B TOTAL	849	.90	.05	723		723	38	27604	
26	OTHER	525			388		388		14788	
27	TOTAL-BADGER	1374			1111		1111		42392	
28	BALSAM 082-10W6									
29	KISKATINAW A	980	.80	.05	745	166	579	40	23409	1020
30	OTHER	833			598	41	557		21730	
31	TOTAL-BALSAM	1813			1343	207	1136		45139	
32	BANSHEE 050-22W5									
33	LEDUC 14-050-22	954	.85	.45	446		446	40	18032	200
34	TOTAL-BANSHEE	954			446		446		18032	
35	BANTRY 018-13W4									
36	MILK RIVER A	8992	.70	.05	5980			36 (1)		78738
37										
38	MEDICINE HAT A	5015	.70	.03	3410			36 (1)		70946
39	MEDICINE HAT C	1886	.50	.03	915			36 (1)		43289
40	MEDICINE HAT D	124	.50	.03	60			36 (1)		5447
41	SE ALTA GAS SYS(MU) TOTAL	16017	.70	.05	10365	4643	5722	36 (1)	207766	
42	SECOND WHITE SPECKS A	2316	.75	.05	1650	516	1134	36	41176	31685
43	VIKING U	514	.75	.05	366			36		4074
44	VIKING V	39	.70	.05	26			36		200
45	VIKING W	23	.70	.05	15			36		200
46	BASAL COLORADO C	181	.75	.05	129			37 (1)		1328
47	VIKING T	6	.75	.05	5			36		200
48	VIK TUVW & BSL COLO C TOTAL	763	.75	.05	541	226	315	37 (1)	11910	
49	MANNVILLE A SOLN	2960	.25	.50	370			40		
50	MANNVILLE A ASSOC	269	.90	.10	218			40		488
51	MANNVILLE A ASSOC	303	.90	.10	245			40		686
52	MANNVILLE A ASSOC	16	.90	.10	13			40		48
53	MANNVILLE A ASSOC	255	.90	.10	207			40		530
54	MANNVILLE A ASSOC	9	.90	.10	7			40		32

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
4.65	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	4
										DECLINE	5
1.33	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	6
.53	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	7
.43	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	8
								1904	1983	CWNGNUL MIP PANALTA PROGAS TCPL	9
1.39	.250	.50	6830	27	.883	.60	782.6	1955	1982	TCPL MATERIAL BALANCE	10
											11
											12
											13
1.90	.228	.60	2610	22	.947	.57	509.3	1968	1983	PANALTA PROGAS TCPL	14
1.88	.240	.55	2810	20	.943	.57	513.9	1960	1981	PRODUCTION DECLINE	15
6.25	.110	.75	2860	25	.945	.57	508.1	1967	1981	PRODUCTION DECLINE	16
								1960	1981	TCPL	17
											18
											19
											20
											21
											22
6.16	.266	.70	11860	35	.807	.64	1102.7	1980	1984		23
3.09	.216	.70	11860	32	.803	.64	1100.0	1980	1984		24
								1980	1984	KANNGAZ PROGAS	25
											26
											27
											28
6.41	.125	.75	17200	77	.875	.63	1860.5	1974	1982	DOMEDOW TCPL	29
											30
											31
											32
47.54	.044	.85	42040	166	1.015	.85	4580.6	1977	1981	PANALTA BER	33
											34
											35
4.51	.154	.55	3140	16	.938	.56	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	36
										DECLINE	37
1.63	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	38
1.11	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	39
.58	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	40
								1904	1983	CWNGNUL PANALTA TCPL	41
.94	.216	.60	5690	27	.899	.57	630.0	1939	1981	TCPL PART OF 2WS POOL NO.1	42
1.95	.167	.50	7100	29	.863	.59	795.2	1973	1983		43
2.47	.140	.70	7380	27	.873	.59	814.4	1973	1976		44
1.85	.170	.45	7450	27	.872	.59	830.0	1973	1982		45
1.13	.200	.65	8550	30	.867	.62	881.5	1946	1976		46
.61	.170	.40	7140	27	.876	.61	807.6	1973	1984		47
								1946	1984	CWNGNUL TCPL	48
						.64		1984	1984		49
2.32	.265	.70	10780	30	.791	.64	984.1	1984	1984		50
1.86	.265	.70	10780	30	.791	.64	984.1	1948	1983		51
1.37	.265	.70	10780	30	.791	.64	984.1	1948	1983		52
2.03	.265	.70	10780	30	.791	.64	984.1	1948	1983		53
1.22	.265	.70	10780	30	.791	.64	997.3	1948	1983	ASSIGNED WELL 16-15-018-13 W4M	54

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	BANTRY 018-13W4 (CONTINUED)									
2	MANNVILLE A ASSOC	28	.90	.10	22			40		128
3	MANNVILLE A ASSOC	28	.90	.10	23			40		64
4	MANNVILLE A ASSOC	2	.70	.05	1			40		32
5	MANNVILLE A ASSOC	6	.70	.05	4			40		32
6	MANNVILLE A TOTAL	3876	.40	.30	1110	234	876	40	35416	
7	OTHER	5827			3948	1132	2816		108139	
8	TOTAL-BANTRY	28799			17614	6751	10863		404407	
9	BAPTISTE 067-22W4									
10	MANNVILLE C	51	.70	.05	34			36		200
11	MANNVILLE G	671	.80	.05	510			36		3477
12	MANNVILLE N	22	.70	.05	15			36		200
13	MANNVILLE O	30	.70	.05	20			36		200
14	MANNVILLE P	52	.70	.05	34			36		200
15	MANNVILLE C,G,N,O&P TOTAL	826	.80	.05	613	154	459	36	16666	
16	WABAMUN C	920	.75	.05	655	77	578	36	21201	2002
17	WABAMUN E	929	.70	.05	617	506	111	36	4071	1549
18	OTHER	1250			832	186	646		23517	
19	TOTAL-BAPTISTE	3925			2717	923	1794		65455	
20	BARE (SA) 003-03W4									
21	TOTAL-BARE	54			41		41		1535	
22	BARK (SA) 121-07W6									
23	TOTAL-BARK	268			185		185		7618	
24	BARRHEAD 058-05W5									
25	TOTAL-BARRHEAD	896			628		628		25430	
26	BARTMAN 025-09W4									
27	TOTAL-BARTMAN	218			155	12	143		5346	
28	BASELINE 061-14W5									
29	TOTAL-BASELINE	142			98		98		3721	
30	BASHAW 042-22W4									
31	BELLY RIVER C	1161	.65	.05	718	59	659	37	24666	10992
32	BASAL MANNVILLE B	633	.80	.05	481	103	378	38	14576	848
33	BASAL MANNVILLE R	409	.85	.10	313	3	310	43	13346	1157
34	D-3 A SOLN	261	.65	.45	144 (2)			41 (1)		
35	D-3 A ASSOC	437	.85	.15	316 (2)	177 (2)	283	41 (1)	11654	1125
36	OTHER	4990			3187	701	2486		97564	
37	TOTAL-BASHAW	7891			5159	1043	4116		161806	
38	BASING 048-20W5									
39	TURNER VALLEY 048-20	3139	.40	.10	1130		1130	39	44409	2481
40	TURNER VALLEY 048-21	1425	.40	.10	513		513	40	20930	1710
41	OTHER	380			239	32	207		8135	
42	TOTAL-BASING	4944			1882	32	1850		73474	
43	BASSANO 021-18W4									
44	MEDICINE HAT A	616	.70	.03	418			36 (1)		500
45	SE ALTA GAS SYS (MU) TOTAL	616	.70	.05	418		418	36 (1)	15178	
46	OTHER	1611			1100	409	691		26203	
47	TOTAL-BASSANO	2227			1518	409	1109		41381	
48	BATTLE 046-20W4									
49	TOTAL-BATTLE	42			24		24		898	
50	BATTLE SOUTH 045-20W4									
51	TOTAL-BATTLE SOUTH	120			80	2	78		3015	
52	BAXTER LAKE 047-05W4									

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
.91	.265	.70	10780	30	.791	.64	993.1	1948	1983	ASSIGNED WELL 10-26-017-13 W4M	2
1.83	.265	.70	10780	30	.791	.64	990.6	1948	1982	ASSIGNED WELL 12-34-017-12 W4M	3
.30	.260	.70	10460	29	.823	.64	989.1	1948	1982	ASSIGNED WELL 12-01-018-13 W4M	4
.92	.260	.70	10460	29	.823	.64	989.3	1948	1983	ASSIGNED WELL 01-02-018-13 W4M	5
								1948	1984		6
											7
											8
											9
3.05	.350	.65	3610	24	.932	.56	528.9	1966	1976		10
3.23	.280	.60	3450	23	.932	.58	424.3	1966	1982		11
1.67	.270	.65	3560	17	.925	.56	453.0	1966	1979		12
1.83	.330	.65	3570	17	.925	.56	456.8	1966	1979		13
2.75	.330	.75	3570	17	.925	.56	464.1	1966	1979		14
								1966	1982	TCPL	15
9.31	.190	.75	3480	29	.950	.63	601.1	1976	1982	TCPL	16
5.02	.150	.70	3520	29	.933	.57	584.9	1959	1983	TCPL PRODUCTION DECLINE	17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
3.49	.250	.40	2020	22	.960	.56	491.1	1977	1982	PANALTA TCPL PART OF BR POOL NO.1	31
4.93	.219	.70	9790	54	.862	.64	1418.2	1964	1983	TCPL	32
2.32	.181	.70	11070	48	.815	.69	1534.2	1973	1984	TCPL	33
						.78		1951	1982	TCPL CONCURRENT PRODUCTION	34
5.22	.054	.85	16060	60	.846	.78	1754.7	1951	1982	TCPL CONCURRENT PRODUCTION	35
											36
											37
											38
9.92	.064	.85	33630	123	1.030	.64	3919.2	1975	1984	PANALTA TOP/BASE TVD	39
9.51	.045	.80	32000	119	1.006	.61	3802.4	1978	1984	PANALTA TCPL TOP/BASE TVD	40
											41
											42
											43
1.66	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	44
								1904	1983	PANALTA TCPL	45
											46
											47
											48
											49
											50
											51
											52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 BAXTER LAKE 047-05W4 (CONTINUED)									
2 MANNVILLE B	457	.70	.05	304	286	18	41	741	917
3 OTHER	637			404	122	282		11245	
4 TOTAL-BAXTER LAKE	1094			708	408	300		11986	
5 BEAR CANYON 082-12W6									
6 TOTAL-BEAR CANYON	335			245		245		9170	
7 BEARHILL LAKE (SA) 045-26W4									
8 TOTAL-BEARHILL LAKE	72			48		48		1922	
9 BEATON 088-02W6									
10 TOTAL-BEATON	1122			745	419	326		12211	
11 BEATTY LAKE (SA) 123-02W6									
12 TOTAL-BEATTY LAKE	172			116		116		4777	
13 BEAUVALLON 053-10W4									
14 COLONY K	1432	.75	.05	1020	982	38	37	1422	3919
15 COLONY L	640	.65	.05	395	356	39	37	1460	1990
16 COLONY P	614	.75	.05	438	49	389	37	14560	5495
17 OTHER	3281			2145	429	1716		64264	
18 TOTAL-BEAUVALLON	5967			3998	1816	2182		81706	
19 BEAVER CROSSING 062-01W4									
20 TOTAL-BEAVER CROSSING	28			16	2	14		524	
21 BEAVER LODGE 072-10W6									
22 TOTAL-BEAVER LODGE	321			226		226		8459	
23 BEAVERHILL LAKE 052-19W4									
24 U.M &L VIKING A							37 (1)		
25 UPPER VIKING B							37 (1)		5238
26 UVIK AB,MVIK A&LVIK A TOTAL	6186	.80	.05	4800	3734	1066	37 (1)	40305	
27 OTHER	2525			1678	175	1503		56822	
28 TOTAL-BEAVERHILL LAKE	8711			6478	3909	2569		97127	
29 BELLIS 059-15W4									
30 UPPER MANNVILLE B	942	.80	.05	716	497	219	38	8361	4387
31 UPPER MANNVILLE E							38		2338
32 UPPER MANNVILLE F							38		1531
33 UPPER MANNVILLE G							38		1177
34 UPPER MANNVILLE H							38		200
35 U MANN E,F,G & H TOTAL	945	.75	.05	674	655	19	38	725	
36 LOWER MANNVILLE E	566	.65	.05	349	24	325	38	12409	2785
37 NISKU A	1252	.60	.05	714	76	638	37	23880	3090
38 NISKU D	813	.85	.05	657	248	409	37	15309	1430
39 OTHER	4024			2561	648	1913		72065	
40 TOTAL-BELLIS	8542			5671	2148	3523		132749	
41 BELLOY 078-01W6									
42 CADOTTE A	586	.75	.05	418	53	365	36	13388	3900
43 NOTIKEWIN A	1209	.75	.05	861	294	567	36	20798	1210
44 DEBOLT B	494	.80	.10	356	97	259	39	10179	890
45 OTHER	2069			1451	397	1054		39624	
46 TOTAL-BELLOY	4358			3086	841	2245		83989	
47 BELLSHILL LAKE 041-12W4									
48 BLAIRMORE ASSOC	110	.70	.20	62			37		255
49 BLAIRMORE SOLN	1169	.65	.50	380			37		
50 BLAIRMORE ASSOC	6	.70	.20	3			37		37
51 BLAIRMORE TOTAL	1285	.65	.45	445	27	418	37	15645	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.60	.261	.70	4560	24	.915	.62	703.1	1975	1984	PANALTA TCPL PRODUCTION DECLINE	2
4.52	.280	.75	4260	21	.913	.58	564.8	1973	1982	CWNGNUL PANALTA MATERIAL BALANCE	14
2.95	.270	.80	3585	19	.926	.57	533.0	1976	1982	CWNGNUL PANALTA TCPL MATERIAL BALANCE	15
1.76	.280	.60	3560	17	.923	.58	482.9	1972	1983	PANALTA PROGAS TCPL	16
	.210	.60	5550	33	.901	.61	776.7	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE	24
.94	.200	.65	4800	26	.898	.60	765.3	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE	25
								1917	1982	CWNGNUL TCPL PART OF VIK POOL NO.2	26
2.21	.270	.45	4070	22	.912	.59	504.6	1965	1983	TCPL PANALTA MATERIAL BALANCE	30
2.12	.300	.65	3450	22	.932	.59	528.2	1963	1982	PRODUCTION DECLINE	31
1.51	.312	.35	3700	20	.929	.58	538.5	1969	1983	PRODUCTION DECLINE	32
2.12	.300	.55	3860	27	.925	.58	550.2	1969	1982	PRODUCTION DECLINE	33
2.78	.300	.55	4070	20	.917	.58	569.1	1969	1982	PRODUCTION DECLINE	34
								1963	1982	TCPL	35
3.32	.230	.70	3770	30	.930	.60	632.8	1977	1980	PANALTA TCPL	36
8.73	.204	.60	3650	22	.928	.57	634.5	1965	1983	PANALTA TCPL	37
11.94	.181	.65	3860	21	.922	.57	591.3	1965	1983	TCPL	38
2.54	.270	.70	3120	25	.950	.56	517.8	1951	1982	A&S TCPL	42
2.87	.270	.60	4650	27	.917	.56	569.2	1951	1979	A&S MATERIAL BALANCE	43
7.41	.200	.75	14400	60	.846	.63	1444.9	1951	1981	A&S MATERIAL BALANCE	44
3.03	.278	.70	6510	30	.834	.78	900.3	1956	1984		48
						.78		1956	1984		49
1.11	.278	.70	6510	30	.834	.78	903.3	1956	1984		50
								1956	1984	KANNGAZ TCPL	51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	BELLSHILL LAKE 041-12W4 (CONTINUED)									
2	OTHER	309			210	80	130		4904	
3	TOTAL-BELLSHILL LAKE	1594			655	107	548		20549	
4	BENJAMIN 028-07W5									
5	RUNDLE A	1809	.65	.15	1000		1000	40	40050	1008
6	RUNDLE B	1865	.65	.15	1030	13	1017	40	40731	883
7	RUNDLE 08-029-07	1543	.65	.20	802		802	40	32120	440
8	TOTAL-BENJAMIN	5217			2832	13	2819		112901	
9	BENTLEY 058-07W4									
10	TOTAL-BENTLEY	15			10		10		378	
11	BENTON 028-03W4									
12	TOTAL-BENTON	421			297	66	231		8989	
13	BERLAND RIVER 059-23W5									
14	LEDUC A	3852	.90	.25	2600	727	1873	37	69413	280
15	TOTAL-BERLAND RIVER	3852			2600	727	1873		69413	
16	BERLAND RIVER WEST 058-25W5									
17	WABAMUN 10-058-25	671	.80	.15	456		456	38	17410	440
18	WABAMUN 26-058-25	423	.80	.05	321		321	38	12256	200
19	OTHER	272			181		181		6775	
20	TOTAL-BERLAND RIVER WEST	1366			958		958		36441	
21	BERRY 027-12W4									
22	TOTAL-BERRY	3150			2180	221	1959		74174	
23	BESSIE 062-15W5									
24	TOTAL-BESSIE	50			36		36		1482	
25	BIG ARROW 099-05W6									
26	TOTAL-BIG ARROW	98			63		63		2523	
27	BIG BEND 066-27W4									
28	GRAND RAPIDS Q	601	.90	.05	514	449	65	37	2409	437
29	MCMURRAY H	765	.75	.05	545	422	123	37	4558	3537
30	MCMURRAY B							37		1831
31	MCMURRAY II							37		425
32	WABAMUN F							37		128
33	MCMURRAY B,II & WAB F TOTAL	585	.65	.05	361	250	111	37	4114	
34	WABAMUN A	1017	.75	.05	724	174	550	37	20587	1666
35	OTHER	9962			6361	1972	4389		163132	
36	TOTAL-BIG BEND	12930			8505	3267	5238		194800	
37	BIG COULEE 067-23W4									
38	TOTAL-BIG COULEE	877			559	119	440		16491	
39	BIG MEADOW (SA) 062-05W4									
40	TOTAL-BIG MEADOW	62			33		33		1210	
41	BIGHORN 043-17W5									
42	TOTAL-BIGHORN	690			481		481		18004	
43	BIGORAY 051-08W5									
44	GLAUCONITIC I	1456	.65	.06	890	55	835	42	35321	2496
45	PEKISKO A SOLN	206	.60	.10	111 (2)			40		
46	PEKISKO A ASSOC	1321	.90	.10	1070 (2)	939 (2)	242	40	9874	4986
47	OTHER	4499			2481	142	2339		97061	
48	TOTAL-BIGORAY	7482			4552	1136	3416		142256	
49	BIGSTONE 061-22W5									
50	DUNVEGAN A	4772	.75	.05	3400	64	3336	42	142347	5422
51	GETHING A	372	.90	.05	318		318	41	13095	440
52	D-3 A	13809	.42	.30	4060	3633	427	36 (1)	15662	2331

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
18.91	.055	.75	28000	92	.948	.67	3336.8	1960	1984	PANALTA PROGAS TOP/BASE TVD	5
23.40	.053	.75	27400	92	.940	.67	3296.1	1961	1984	PANALTA PROGAS TOP/BASE TVD	6
36.00	.057	.75	28900	92	.988	.69	3495.0	1978	1984	TOP/BASE TVD	7
65.60	.072	.90	36450	121	1.000	.68	3762.9	1958	1984	TCPL MATERIAL BALANCE	14
21.87	.036	.80	33090	127	.980	.70	3724.0	1958	1973	TCPL BER	17
12.00	.084	.85	33000	104	1.009	.59	3618.0	1980	1981	TCPL BER	18
4.70	.250	.60	4620	21	.905	.57	600.6	1967	1981	TCPL PRODUCTION DECLINE	28
1.82	.220	.55	4930	27	.898	.61	798.7	1967	1979	TCPL MATERIAL BALANCE	29
2.18	.222	.55	5000	30	.903	.59	801.3	1968	1983	PRODUCTION DECLINE	30
1.83	.253	.60	5000	29	.900	.60	799.8	1968	1983	PRODUCTION DECLINE	31
6.10	.190	.70	4710	36	.914	.61	802.9	1976	1983	PRODUCTION DECLINE	32
								1968	1983	TCPL	33
6.98	.214	.80	5000	35	.906	.61	811.7	1967	1976	TCPL	34
5.74	.126	.55	13500	58	.791	.67	1813.0	1958	1984	A&S PART OF GLAUC POOL NO.5	44
						.67		1965	1981	A&S CONCURRENT PRODUCTION	45
4.52	.060	.60	15160	58	.800	.67	1832.3	1965	1981	A&S CONCURRENT PRODUCTION	46
5.04	.154	.55	17930	60	.792	.65	1976.0	1959	1982	A&S PROGAS	50
6.11	.135	.70	17240	103	.890	.65	2409.2	1960	1973	A&S	51
17.47	.080	.85	32650	116	.975	.70	3383.4	1960	1984	A&S PRODUCTION DECLINE	52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 BIGSTONE 061-22W5 (CONTINUED)									
2 OTHER	940			618		618		24072	
3 TOTAL-BIGSTONE	19893			8396	3697	4699		195176	
4 BILAWCHUK 080-09W6									
5 TOTAL-BILAWCHUK	382			270		270		10415	
6 BILBO 065-08W6									
7 TOTAL-BILBO	3097			2116		2116		83266	
8 BINDLOSS 023-04W4									
9 MILK RIVER A	1519	.70	.05	1010			36 (1)		19140
10									
11 MEDICINE HAT A	549	.70	.03	372			36 (1)		22821
12 MEDICINE HAT D	6	.50	.03	3			36 (1)		383
13 SE ALTA GAS SYS (MU) TOTAL	2074	.70	.05	1385	260	1125	36 (1)	40849	
14 VIKING A	10774	.90	.01	9600	7370	2230	37 (1)	82644	18120
15 VIKING B	902	.70	.05	600	72	528	37 (1)	19568	2473
16 LOWER MANNVILLE C	716	.90	.05	614	36	578	37	21421	405
17 OTHER	668			434	10	424		15731	
18 TOTAL-BINDLOSS	15134			12633	7748	4885		180213	
19 BIRCH 050-11W4									
20 UPPER MANNVILLE R	477	.80	.05	363	94	269	37	10069	807
21 CAMROSE B	896	.90	.05	766	576	190	37 (1)	7041	5784
22 OTHER	2604			1741	231	1510		56657	
23 TOTAL-BIRCH	3977			2870	901	1969		73767	
24 BISON LAKE 095-15W5									
25 TOTAL-BISON LAKE	329			209		209		8861	
26 BISTCHO 122-04W6									
27 TOTAL-BISTCHO	245			168		168		6897	
28 BITTERN LAKE 046-22W4									
29 GLAUCONITIC A	1060	.70	.05	705	705	< 1	40	-	1497
30 GLAUCONITIC J	520	.75	.05	371	51	320	40	12816	200
31 ELLERSLIE A	403	.85	.05	327		327	40	13096	947
32 OTHER	2854			1931	283	1648		65027	
33 TOTAL-BITTERN LAKE	4837			3334	1039	2295		90939	
34 BLACK 110-09W6									
35 TOTAL-BLACK	1453			975		975		40047	
36 BLACK BUTTE 001-08W4									
37 SUNBURST-SWIFT A	469	.80	.04	360	307	53	37	1984	824
38 SAWTOOTH A	900	.82	.05	701	606	95	37	3556	1660
39 RUNDLE A	1105	.80	.10	796	381	415	38	15845	1230
40 OTHER	1083			802	551	251		9330	
41 TOTAL-BLACK BUTTE	3557			2659	1845	814		30715	
42 BLACK DIAMOND 020-02W5									
43 TOTAL-BLACK DIAMONC	346			47	40	7		288	
44 BLACKFOOT 022-23W4									
45 TOTAL-BLACKFOOT	356			240	74	166		6266	
46 BLACKSTONE 045-16W5									
47 CARDIUM SD 26-044-16	439	.85	.10	336		336	40	13474	200
48 BEAVERHILL LAKE A	18332	.80	.25	11000	53	10947	37	413906	3723
49 OTHER	706			484		484		18980	
50 TOTAL-BLACKSTONE	19477			11820	53	11767		446360	
51 BLANCHE 073-02W5									

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
											6
											7
											8
3.13	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	9
										DECLINE	10
.55	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	11
.40	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	12
								1904	1983	PANALTA TCPL	13
3.43	.294	.55	6830	27	.881	.59	685.5	1952	1984	TCPL MATERIAL BALANCE	14
3.08	.290	.55	6890	27	.880	.59	772.1	1957	1967	TCPL	15
5.18	.233	.60	10100	30	.846	.59	843.7	1954	1967	TCPL	16
											17
											18
											19
5.22	.289	.75	5040	28	.911	.58	656.5	1978	1984		20
3.19	.101	.65	4760	27	.912	.58	714.2	1961	1984	CWNGNUL TCPL MATERIAL BALANCE	21
											22
											23
											24
											25
											26
											27
											28
5.84	.251	.60	9030	46	.857	.64	1220.5	1956	1984	PANALTA NORCEN	29
11.90	.270	.89	8440	37	.816	.61	1189.5	1977	1983	TCPL	30
3.46	.190	.65	9310	46	.830	.68	1261.9	1954	1967		31
											32
											33
											34
											35
											36
5.77	.200	.70	7100	30	.874	.60	906.2	1944	1984	CMG PRODUCTION DECLINE	37
2.58	.200	.70	8100	33	.862	.61	994.6	1944	1981	CMG PRODUCTION DECLINE	38
5.98	.100	.80	8260	33	.869	.62	1001.8	1944	1979	CMG MATERIAL BALANCE	39
											40
											41
											42
											43
											44
											45
											46
16.50	.123	.55	21740	81	.888	.64	2777.8	1979	1980		47
23.32	.084	.89	45200	140	1.102	.72	4737.4	1979	1984		48
											49
											50
											51

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
1 BLANCHE 073-02W5 (CONTINUED)									
2 TOTAL-BLANCHE	104			67		67		2684	
3 BLANSKY (SA) 001-02W4									
4 TOTAL-BLANSKY	65			49		49		1834	
5 BLOOD 007-23W4									
6 TOTAL-BLOOD	484			230	52	178		6730	
7 BLOOR 033-12W4									
8 TOTAL-BLOOR	282			193	2	191		7232	
9 BLUEBERRY 082-07W6									
10 BELLOY 16-082-07	454	.90	.05	388		388	37	14523	200
11 KISKATINAW A	431	.80	.05	328	320	8	37	299	200
12 OTHER	223			154		154		5725	
13 TOTAL-BLUEBERRY	1108			870	320	550		20547	
14 BLUERIDGE 059-10W5									
15 JURASSIC B	2639	.80	.10	1900	601	1299	41	53493	2045
16 JURASSIC C	929	.70	.10	585	298	287	41	11819	100
17 PEKISKO A SOLN	79	.60	.10	43 (2)			42		
18 PEKISKO A ASSOC	961	.90	.10	778 (2)	452 (2)	369	42	15609	1599
19 OTHER	1101			749	213	536		22437	
20 TOTAL-BLUERIDGE	5709			4055	1564	2491		103358	
21 BOHN (SA) 081-07W4									
22 TOTAL-BOHN	100			48		48		2066	
23 BOLLOQUE 064-26W4									
24 LOWER MANNVILLE A	894	.70	.05	594	457	137	37	5077	2631
25 LOWER MANNVILLE B	583	.80	.05	443	93	350	37	12971	1161
26 OTHER	1153			736	44	692		25779	
27 TOTAL-BOLLOQUE	2630			1773	594	1179		43827	
28 BOLTAN (SA) 060-02W6									
29 TOTAL-BOLTAN	187			129		129		4829	
30 BONANZA 081-12W6									
31 HALFWAY A	458	.85	.15	330		330	37	12352	1222
32 OTHER	667			468		468		17481	
33 TOTAL-BONANZA	1125			798		798		29833	
34 BONDISS 064-15W4									
35 TOTAL-BONDISS	185			118	18	100		3743	
36 BONNIE GLEN 047-27W4									
37 GLAUCONITIC A	2353	.85	.15	1700	22	1678	45	75695	2400
38 D-3 A SOLN	17625	.80	.25	10575 (2)			45 (1)		
39 D-3 A ASSOC	14212	.90	.14	11000 (2)	5455 (2)	16120	45 (1)	736200	1312
40 OTHER	1433			915	355	560		22850	
41 TOTAL-BONNIE GLEN	35623			24190	5832	18358		834745	
42 BONNYVILLE 060-05W4									
43 COLONY B	371	.80	.05	304	228	76	36	2788	1483
44 OTHER	353			215	107	108		3961	
45 TOTAL-BONNYVILLE	724			519	335	184		6749	
46 BORDER 042-05W4									
47 TOTAL-BORDER	86			51		51		1906	
48 BORRADAILE 051-05W4									
49 TOTAL-BORRADAILE	88			56		56		1992	
50 BOTHA 098-05W6									
51 DEBOLT A ASSOC	446	.85	.05	360		360	40	14418	3746

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10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
											6
											7
											8
											9
10.49	.200	.75	14480	63	.850	.62	1444.4	1973	1977	TCPL BER	10
9.87	.130	.70	15380	64	.850	.63	1581.9	1973	1981	TCPL PRODUCTION DECLINE	11
											12
											13
											14
4.78	.172	.50	12450	65	.846	.66	1715.3	1967	1979	TCPL MATERIAL BALANCE	15
4.32	.170	.50	12410	66	.848	.66	1741.3	1974	1984	TCPL PRODUCTION DECLINE	16
						.65		1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED	17
5.81	.127	.65	12550	64	.845	.65	1729.9	1968	1982	TCPL CONCURRENT PRODUCTION OIL DEPLETED	18
											19
											20
											21
											22
											23
3.20	.227	.70	5450	29	.893	.60	868.5	1965	1983	TCPL MATERIAL BALANCE	24
3.77	.300	.80	5380	33	.900	.59	863.9	1973	1980	TCPL	25
											26
											27
											28
											29
											30
2.45	.122	.75	14520	60	.742	.86	1482.7	1973	1984	BER	31
											32
											33
											34
											35
											36
9.63	.119	.60	12180	47	.759	.70	1558.3	1954	1983	PANALTA PART OF GLAUC POOL NO.3	37
						.79		1951	1984	CONCURRENT PRODUCTION GAS CYCLING	38
66.08	.104	.94	16820	80	.808	.79	2042.2	1951	1984	CONCURRENT PRODUCTION GAS CYCLING	39
											40
											41
											42
1.88	.280	.60	2620	14	.940	.57	317.9	1950	1971	MATERIAL BALANCE OIL POOL DEPLETED	43
											44
											45
											46
											47
											48
											49
											50
3.23	.174	.40	5220	35	.910	.59	767.5	1975	1982		51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY fraction	SURFACE LOSS fraction	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEATING VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
1	BOTHA 098-05W6 (CONTINUED)									
2	OTHER	108			68		68		2684	
3	TOTAL-BOTHA	554			428		428		17102	
4	BOTTREL 028-05W5									
5	TOTAL-BOTTREL	464			322		322		12052	
6	BOUCHER 079-04W6									
7	TOTAL-BOUCHER	25			19		19		761	
8	BOUNDARY LAKE SOUTH 084-12W6									
9	TRIASSIC E SOLN	947	.40	.10	341	305	36	39	1415	
10	TRIASSIC G	939	.80	.10	676	362	314	39	12340	3278
11	KISKATINAW E	1020	.85	.05	824	774	50	40	2022	896
12	GOLATA B	1186	.90	.10	961	771	190	40	7682	400
13	KISKATINAW B	108	.75	.05	77			40		200
14	GOLATA A	459	.85	.05	370			40		440
15	KISKAT B & GOLATA A TOTAL	567	.85	.05	447	378	69	40	2790	
16	OTHER	1860			1142	137	1005		39629	
17	TOTAL-BOUNDARY LAKE SOUTH	6519			4391	2727	1664		65878	
18	BOUVIER 070-24W4									
19	WABAMUN C	518	.65	.05	320	36	284	37	10525	1056
20	OTHER	639			384	80	304		11276	
21	TOTAL-BOUVIER	1157			704	116	588		21801	
22	BOW ISLAND 011-11W4									
23	SECOND WHITE SPECKS A	1165	.75	.05	830	2	828	36	30065	17025
24	BOW ISLAND	3803	.80	.05	2890	557	2333	38 (1)	90824	40523
25	OTHER	1029			733	7	726		27268	
26	TOTAL-BOW ISLAND	5997			4453	566	3887		148157	
27	BOWDEN (SA) 033-28W4									
28	TOTAL-BOWDEN	91			56		56		2223	
29	BOYER 103-22W5									
30	BLUESKY A	18412	.60	.05	10495			37		130295
31	GETHING A	233	.70	.05	155			37		3644
32	BLUESKY A	598	.60	.05	341			37		9539
33	BLUESKY A	147	.60	.05	84			37		4410
34	BLUESKY A	34	.60	.05	19			37		1114
35	BLUESKY A	27	.65	.05	17			37		200
36										
37	BLUESKY A	18	.65	.05	11			37		200
38										
39	BLUESKY A	11	.65	.05	7			37		200
40										
41	BLUESKY A	11	.65	.05	7			37		200
42										
43	BLUESKY A	8	.60	.05	5			37		200
44										
45	BLUESKY A	15	.65	.05	9			37		200
46										
47	BLUESKY A	7	.65	.05	4			37		200
48										
49	BLUESKY A	16	.65	.05	10			37		200
50										
51	BLUESKY A	15	.65	.05	9			37		200
52										
53	BLUESKY A	37	.60	.05	21			37		200
54										
55	BLUESKY A	40	.65	.05	25			37		200

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
											6
											7
											8
						.79		1964	1984	WCOAST	9
2.73	.125	.75	11140	60	.850	.65	1308.1	1967	1982	PANALTA WCOAST	10
5.07	.156	.85	16060	77	.880	.60	1893.7	1964	1976	WCOAST MATERIAL BALANCE	11
6.17	.144	.80	16340	63	.860	.64	1858.1	1964	1982	WCOAST MATERIAL BALANCE	12
2.44	.170	.80	16230	60	.854	.59	1845.0	1958	1980		13
5.79	.140	.80	16350	63	.861	.60	1859.3	1958	1980		14
								1958	1980	WCOAST	15
											16
											17
											18
9.04	.200	.75	3590	30	.931	.59	650.4	1977	1982	TCPL	19
											20
											21
											22
.88	.216	.60	5690	27	.899	.57	630.0	1939	1984	TCPL PROGAS PART OF 2WS POOL NO.1	23
1.09	.260	.60	5170	27	.888	.60	646.2	1909	1984	NUL CWNG CWNGNUL PROGAS TCPL	24
											25
											26
											27
											28
											29
6.40	.210	.40	2550	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	30
1.90	.250	.50	2620	21	.945	.57	384.7	1976	1980	PART OF BLSKY POOL NO.1	31
2.84	.210	.40	2550	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	32
1.51	.210	.40	2550	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	33
1.38	.210	.40	2550	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	34
6.20	.207	.40	2560	21	.945	.59	389.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	35
										11-29-100-23 W5M	36
3.40	.190	.50	2700	21	.941	.59	379.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	37
										10-31-101-24 W5M	38
3.00	.160	.40	2750	22	.941	.59	429.6	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	39
										11-24-101-01 W6M	40
2.44	.210	.40	2550	19	.944	.56	338.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	41
										10-16-102-23 W5M	42
1.80	.210	.40	2550	19	.945	.59	227.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	43
										02/07-11-104-21 W5M	44
3.35	.210	.40	2550	16	.940	.59	228.2	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	45
										10-07-105-20 W5M	46
1.52	.210	.40	2550	16	.940	.59	233.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	47
										10-10-105-21 W5M	48
3.96	.210	.40	2300	16	.945	.59	231.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	49
										10-21-105-21 W5M	50
3.70	.180	.50	2230	16	.947	.59	229.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	51
										11-22-105-21 W5M	52
8.20	.210	.40	2600	16	.943	.58	266.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	53
										11-09-106-23 W5M	54
9.90	.200	.40	2420	16	.945	.58	266.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	55

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	BOYER 103-22W5 (CONTINUED)									
2										
3	BLUESKY A	36	.60	.05	21			37		200
4										
5	BLUESKY A	35	.60	.05	20			37		200
6										
7	BLUESKY A	34	.65	.05	21			37		200
8										
9	BLUESKY A	23	.65	.05	14			37		200
10										
11	BLUESKY A & GETHING A TOTAL	19757	.60	.05	11295	1412	9883	37	369921	
12										
13	OTHER	413			250	65	185		6920	
14	TOTAL-BOYER	20170			11545	1477	10068		376841	
15	BRAEBURN 077-10W6									
16	BALDONNEL A	644	.80	.10	464	384	80	40 (1)	3264	2131
17	OTHER	966			375	104	271		10970	
18	TOTAL-BRAEBURN	1610			839	488	351		14234	
19	BRANT 018-25W4									
20	TOTAL-BRANT	137			72	11	61		2215	
21	BRAZEAU RIVER 045-13W5									
22	ELLERSLIE 1 047-14	929	.85	.10	711		711	39	27942	1241
23	NORDEGG 07-047-12	550	.85	.05	444		444	39	17449	256
24	ELKTON-SHUNDA A							38 (1)		5883
25	ELKTON-SHUNDA A							38 (1)		7608
26	ELKTON-SHUNDA A TOTAL	13037	.75	.10	8800	5123	3677	38 (1)	143146	
27	ELKTON-SHUNDA B							39 (1)		26045
28	ELKTON-SHUNDA B							39 (1)		42772
29	ELKTON-SHUNDA B							39 (1)		128
30										
31	ELKTON-SHUNDA B							39 (1)		10056
32	ELKTON-SHUNDA B							39 (1)		200
33										
34	ELKTON-SHUNDA B							39 (1)		200
35										
36	ELKTON-SHUNDA B							39 (1)		26558
37	ELKTON-SHUNDA B TOTAL	36601	.85	.10	28000	15922	12078	39 (1)	474665	
38	NISKU A SOLN	901	.75	.35	439	241	198	39	7781	
39	NISKU E SOLN	814	.65	.35	344	197	147	39	5777	
40	NISKU F	736	.80	.30	412	29	383	39	15052	104
41	NISKU J	707	(3)	(3)	481	23	458	41	18783	96
42	NISKU K	812	(3)	(3)	429	47	382	41	15666	255
43	NISKU M	1250	(3)	(3)	681		681	39	26763	150
44	NISKU S	1021	.85	.20	694	25	669	39	26292	128
45	OTHER	9134			5427	-765	6192		243956	
46	TOTAL-BRAZEAU RIVER	66492			46862	20842	26020		1023272	
47	BREMNER 078-04W6									
48	TOTAL-BREMNER	31			22		22		807	
49	BRIDGE 057-07W5									
50	TOTAL-BRIDGE	272			184		184		7231	
51	BRIGHT 051-02W5									
52	TOTAL-BRIGHT	271			198		198		8299	
53	BRIKER 046-03W4									
54	TOTAL-BRIKER	114			81		81		3032	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
										11-28-106-23 W5M	2
8.90	.192	.40	2550	16	.940	.59	273.3	1972	1983	PART OF BLSKY POOL NO.1 ASSIGNEC WELL	3
										06-13-106-24 W5M	4
7.92	.210	.40	2500	17	.942	.59	298.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	5
										07-20-106-24 W5M	6
5.86	.210	.50	2640	14	.945	.65	220.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	7
										07-06-106-20 W5M	8
4.01	.210	.50	2640	14	.945	.65	217.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL	9
										10-21-106-20 W5M	10
								1972	1984	DOMEDOW A&S KANNGAZ PANALTA TCPL PART OF	11
										BLSKY POOL NO.1	12
											13
											14
											15
2.44	.125	.70	13540	53	.834	.61	1738.3	1954	1982	WCOAST	16
											17
											18
											19
											20
											21
2.01	.156	.90	32610	97	.945	.78	2927.0	1975	1978		22
28.60	.050	.90	20630	113	.911	.65	2742.0	1979	1982		23
5.59	.114	.85	26580	99	.916	.70	2944.3	1965	1984	MATERIAL BALANCE	24
3.86	.070	.85	26580	99	.929	.66	2929.1	1965	1984	MATERIAL BALANCE	25
								1965	1984	A&S PROGAS TCPL	26
3.91	.114	.80	26800	95	.928	.66	3021.2	1959	1984	MATERIAL BALANCE	27
2.72	.079	.75	26800	95	.928	.66	2940.8	1959	1984	MATERIAL BALANCE	28
.60	.079	.75	26800	95	.928	.66	3048.9	1960	1984	MATERIAL BALANCE ASSIGNED WELL	29
										06-03-045-13 W5M	30
.57	.051	.60	26800	95	.928	.66	2830.0	1959	1984	MATERIAL BALANCE	31
1.20	.051	.60	26800	95	.928	.66	3140.8	1981	1984	MATERIAL BALANCE ASSIGNED WELL 10-01-46-14	32
										W5M	33
.60	.051	.60	26800	95	.928	.66	3194.3	1974	1984	MATERIAL BALANCE ASSIGNED WELL	34
										06-02-047-14 W5M	35
1.46	.069	.75	26800	95	.928	.66	2890.0	1959	1984	MATERIAL BALANCE	36
								1959	1984	DOMEDOW A&S KANNGAZ TCPL	37
						.75		1978	1983	A&S	38
						.75		1978	1983		39
28.61	.097	.90	46300	107	1.222	.70	3355.3	1978	1984		40
21.80	.138	.90	38390	108	1.053	1.21	3361.4	1979	1984	GAS CYCLING	41
26.10	.053	.75	70733	117	1.678		3844.4	1978	1984	GAS CYCLING	42
29.70	.109	.85	49990	104	1.248	.79	3271.8	1979	1984	GAS CYCLING	43
49.69	.065	.90	37880	110	1.025	.86	3761.9	1979	1984		44
											45
											46
											47
											48
											49
											50
											51
											52
											53
											54

TABLE 4-5 (continued) RESERVES OF GAS

POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
BRINTELL (SA) 081-23W4									
TOTAL-BRINTELL	40			23		23		843	
BRITTS (SA) 096-17W5									
TOTAL-BRITTS	31			17		17		681	
BRONSON 057-17W5									
TOTAL-BRONSON	530			363		363		14538	
BROOKS 018-14W4									
MILK RIVER A	444	.70	.05	295			36 (1)		3498
MEDICINE HAT A	65	.70	.03	44			36 (1)		1883
MEDICINE HAT C	22	.50	.03	11			36 (1)		752
MEDICINE HAT D	2	.50	.03	1			36		102
SE ALTA GAS SYS (MU) TOTAL	533	.70	.05	351	161	190	36 (1)	6899	
OTHER	45			31		31		1253	
TOTAL-BROOKS	578			382	161	221		8152	
BROWN CREEK (SA) 044-17W5									
RUNDLE 20-044-17	603	.75	.10	407		407	36	14778	200
OTHER	73			52		52		1888	
TOTAL-BROWN CREEK	676			459		459		16666	
BROWNVALE 081-26W5									
TOTAL-BROWNVALE	186			113		113		4145	
BROXBURN 009-21W4									
TOTAL-BROXBURN	34			19	18	1		37	
BRUCE 047-16W4									
UPPER VIKING A							37		84816
MIDDLE VIKING A							37 (1)		
MIDDLE VIKING B							37		1497
U & M VIK A & M VIK B TOTAL	4811	.75	.05	3500	1828	1672	37	62583	
UPPER MANNVILLE WW	400	.80	.05	304	21	283	38	10805	743
UPPER MANNVILLE ZZZ	455	.70	.05	303	144	159	38	6071	400
ELLERSLIE K	477	.80	.05	362	16	346	38	13210	1433
OTHER	14342			9399	2206	7193		273305	
TOTAL-BRUCE	20485			13868	4215	9653		365974	
BUFF COULEE 046-07W4									
COLONY A	459	.85	.05	371	62	309	37	11566	3104
OTHER	904			625	147	478		17891	
TOTAL-BUFF COULEE	1363			996	209	787		29457	
BUFFALO LAKE 040-20W4									
TOTAL-BUFFALO LAKE	695			368	22	346		14469	
BUICK 090-02W6									
TOTAL-BUICK	76			51		51		2004	
BURDETT (SA) 009-10W4									
TOTAL-BURDETT	82			58		58		2258	
BURNT TIMBER 031-09W5									
RUNDLE A	20750	.80	.20	13240			38 (1)		4431
RUNDLE B	2688	.80	.20	1720			38 (1)		2446
RUNDLE A & B TOTAL	23438	.80	.20	14960	7362	7598	38 (1)	295790	
WABAMUN A	4848	.75	.45	2000	453	1547	38	60225	2993
TOTAL-BURNT TIMBER	28286			16960	7815	9145		356015	
BUSBY (SA) 057-27W4									
TOTAL-BUSBY	13			8		8		296	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
5.01	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	8 9
.79	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	10
.74	.139	.60	4450	19	.921	.57	487.7	1973	1978	PART OF MED HAT POOL NO.3	11
.44	.139	.60	4450	19	.921	.57	487.7	1973	1978	PART OF MED HAT POOL NO.4	12
								1904	1983	CWNGNUL PANALTA TCPL	13
39.77	.039	.80	31380	103	.977	.64	3304.3	1960	1984	BER MATERIAL BALANCE	17
1.19	.180	.70	5650	26	.890	.61	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE	25
	.180	.70	5650	26	.896	.60	789.4	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE	26
.83	.180	.50	5650	26	.896	.60	775.4	1952	1983	PART OF VIK POOL NO.2 MATERIAL BALANCE	27
								1917	1982	PANALTA TCPL PART OF VIK POOL NO.2	28
4.07	.247	.65	7920	43	.865	.62	1073.7	1976	1983	TCPL PANALTA	29
1.70	.250	.65	6170	29	.887	.59	882.1	1977	1984	MATERIAL BALANCE	30
2.57	.230	.80	6560	28	.880	.59	952.1	1952	1980	TCPL	31
2.16	.285	.55	4150	22	.916	.59	596.1	1976	1984	CWNGNUL PANALTA	35
31.61	.073	.88	26610	94	.916	.72	3229.6	1959	1984	TOP/BASE TVD	45
9.52	.065	.80	25860	100	.888	.76	3342.4	1959	1984	TOP/BASE TVD	46
								1959	1984	TCPL	47
13.99	.054	.80	31720	116	.865	.88	3757.4	1976	1983	TCPL	48

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	BYEMOOR 034-19W4									
2	BASAL QUARTZ 03-034-19	435	.80	.10	313		313	41	13005	200
3	OTHER	103			66	8	58		2410	
4	TOTAL-BYEMOOR	538			379	8	371		15415	
5	CACHE 058-12W4									
6	VIKING A	2355	.80	.05	1790	11	1779	36	65254	34518
7	COLONY D	524	.80	.05	400	124	276	37	10331	2132
8	COLONY G	531	.80	.05	403	312	91	37	3406	1898
9	COLONY P	411	.80	.05	312	74	238	37	8908	1081
10	COLONY BB	71	.65	.05	44			37		745
11	COLONY EE	112	.70	.05	75			37		1262
12	COLONY HH	330	.80	.05	251			37		2608
13	COLONY BB, EE & HH TOTAL	513	.75	.05	370	201	169	37	6326	
14	COLONY DD							37		880
15	COLONY FF							37		750
16	COLONY DD & FF TOTAL	486	.75	.05	346	201	145	37	5427	
17	CLEARWATER B	761	.80	.05	578	570	8	37	299	3843
18	OTHER	5323			3538	1178	2360		88400	
19	TOTAL-CACHE	10904			7737	2671	5066		188351	
20	CADOTTE 086-19W5									
21	TOTAL-CADOTTE	649			404	108	296		11080	
22	CALAIS 070-25W5									
23	TOTAL-CALAIS	459			326	36	290		10854	
24	CALLING LAKE 071-18W4									
25	D-2 B	2372	.75	.05	1690	1284	406	37	15197	39722
26	D-2 C	524	.80	.05	399	6	393	39	15445	3465
27	OTHER	603			397	25	372		13933	
28	TOTAL-CALLING LAKE	3499			2486	1315	1171		44575	
29	CALLING LAKE SOUTH 070-22W4									
30	TOTAL-CALLING LAKE SOUTH	461			283	22	261		10319	
31	CALLING LAKE WEST 071-20W4									
32	UPPER MANNVILLE A	555	.70	.05	369	32	337	37	12489	3361
33	OTHER	882			560	70	490		18043	
34	TOTAL-CALLING LAKE WEST	1437			929	102	827		30532	
35	CAMP (SA) 063-08W5									
36	TOTAL-CAMP	70			50		50		1871	
37	CAMPBELL NAMAO 054-25W4									
38	CAMPBELL BLAIRMORE A SOLN	117	.65	.10	69 (2)			38		
39	CAMPBELL BLAIRMORE A ASSOC	861	.80	.10	620 (2)	634 (2)	55	38	2100	430
40	NAMAO BLAIRMORE E SOLN	120	.65	.10	71 (2)			38		
41	NAMAO BLAIRMORE E ASSOC	862	.90	.10	699 (2)	465 (2)	305	38	11645	704
42	OTHER	1605			982	166	816		31155	
43	TOTAL-CAMPBELL NAMAO	3565			2441	1265	1176		44900	
44	CANAL 070-23W4									
45	WABAMUN B	512	.85	.10	392	14	378	37	14149	1896
46	OTHER	162			104		104		3863	
47	TOTAL-CANAL	674			496	14	482		18012	
48	CANARD 057-09W4									
49	VIKING A	400	.80	.05	304		304	37	11379	10790
50	COLONY D	438	.75	.05	312	17	295	37	11042	2252
51	OTHER	1240			775	154	621		23244	
52	TOTAL-CANARD	2078			1391	171	1220		45665	
53	CAPRON 026-02W4									
54	TOTAL-CAPRON	193			133	8	125		4986	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
7.70	.220	.70	16100	41	.795	.65	1329.0	1980	1980		2
											3
											4
											5
1.04	.283	.55	4000	21	.918	.58	434.3	1949	1984	MIP PANALTA TCPL PART OF VIK POOL NO.6	6
5.12	.230	.55	3650	21	.931	.56	477.6	1952	1977	NUL CWNG CWNGNUL MIP PANALTA TCPL	7
3.63	.300	.70	3500	19	.924	.57	486.9	1965	1982	NUL CWNG MIP PANALTA	8
4.86	.283	.75	3520	19	.931	.56	498.3	1977	1981	MIP PANALTA TCPL	9
1.46	.272	.70	3320	21	.931	.58	480.4	1977	1981		10
1.33	.270	.60	3920	21	.918	.58	485.4	1973	1982		11
1.66	.294	.65	3800	21	.920	.58	481.4	1971	1981		12
								1971	1982	MIP PANALTA TCPL	13
1.33	.290	.60	4220	21	.916	.57	483.0	1958	1981	MATERIAL BALANCE	14
1.42	.278	.70	4270	21	.911	.58	476.9	1958	1981	MATERIAL BALANCE	15
								1958	1982	MIP	16
2.33	.330	.65	3930	21	.954	.57	572.1	1973	1978	MIP PANALTA TCPL	17
											18
											19
											20
											21
											22
											23
											24
7.92	.055	.55	2450	19	.953	.57	465.7	1964	1978	MATERIAL BALANCE	25
7.42	.120	.65	2520	17	.945	.57	471.5	1978	1982	KANNGAZ PANALTA TCPL	26
											27
											28
											29
											30
											31
3.20	.300	.60	2790	20	.942	.56	423.7	1970	1977	KANNGAZ PANALTA	32
											33
											34
											35
											36
											37
						.66		1949	1982	PANALTA NORCEN PRODUCTION DECLINE	38
1.77	.190	.75	8200	38	.845	.66	1132.9	1949	1982	PANALTA NORCEN PRODUCTION DECLINE	39
						.67		1951	1982	NORCEN	40
9.11	.192	.80	8380	46	.852	.67	1105.6	1951	1982	NORCEN	41
											42
											43
											44
5.42	.210	.80	2970	29	.942	.61	597.2	1972	1981	TCPL	45
											46
											47
											48
.77	.256	.45	3950	19	.919	.58	475.4	1949	1983	PANALTA TCPL PART OF VIK POOL NO.6	49
2.75	.324	.65	3190	17	.932	.57	498.3	1980	1983	PANALTA TCPL PROGAS	50
											51
											52
											53
											54

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 CARBON 029-22W4									
2 VIKING D	1676	.70	.10	1056	968	88	38	3360	6315
3									
4 GLAUCONITIC	3803	.90	.01	3380	1259	2121	41	88912	6375
5 PEKISKO B SOLN	19	.60	.45	6 (2)			41		
6 PEKISKO B ASSOC	487	.80	.10	351 (2)	91 (2)	266	41	11052	2475
7 OTHER	1451			921	234	687		27020	
8 TOTAL-CARBON	7436			5714	2552	3162		130344	
9 CARDIFF 054-02W5									
10 TOTAL-CARDIFF	625			451	19	432		17421	
11 CARIBOU 062-10W5									
12 TOTAL-CARIBOU	91			60	21	39		1649	
13 CAROLINE 035-06W5									
14 VIKING A SOLN	872	.65	.15	482 (2)			39 (1)		
15 VIKING A ASSOC	4198	.92	.05	3660 (2)			39 (1)		15194
16 1WS A & VIKING A TOTAL	5070	.85	.05	4142 (2)	2686 (2)	1456	39	57221	
17 CARDIUM E SOLN	3098	.35	.15	921	510	411	39	16152	
18 BASAL MANNVILLE B	950	.80	.10	684	370	314	44	14105	200
19 BASAL MANNVILLE G	872	.85	.10	667	201	466	38	18141	200
20 BASAL MANNVILLE M	494	.85	.10	378	67	311	37	11759	850
21 BASAL MANNVILLE P	595	.85	.15	430	20	410	38	15961	1294
22 BASAL MANNVILLE AA	516	.85	.15	373	43	330	38 (1)	12847	687
23 BASAL MANNVILLE DD	511	.75	.10	345	8	337	37	12614	200
24 BASAL MANNVILLE GG	1027	.65	.10	601	32	569	38	22151	1806
25 BASAL MANNVILLE K	400	.80	.15	272			38		1188
26 BASAL MANNVILLE R	194	.80	.10	139			38		646
27 BASAL MANNVILLE K & R TOTAL	594	.80	.15	411	49	362	38	14093	
28 BASAL MANNVILLE A	755	.80	.10	544			38		2704
29 BASAL MANNVILLE L	759	.80	.10	547			38		3172
30 BASAL MANNVILLE SS	167	.80	.10	120			38		656
31 BASAL MANNVILLE AL&SS TOTAL	1681	.80	.10	1211	126	1085	38	42239	
32 BASAL MANNVILLE O	48	.75	.15	31			38		200
33 BASAL MANNVILLE Y	4260	.60	.10	2300			38		6075
34 BASAL MANNVILLE EE	45	.75	.10	31			38		200
35 BASAL MANNVILLE FF	193	.75	.10	130			38		200
36 BASAL MANNVILLE HH	101	.75	.15	65			38		690
37 BASAL MANNVILLE II	11	.70	.10	7			38		128
38 BASAL MANNVILLE JJ	28	.75	.10	19			38		200
39 BASAL MANNVILLE KK	38	.75	.10	26			38		200
40 BASAL MANNVILLE LL	29	.75	.10	19			38		200
41 OSTRACOD A	352	.85	.10	270			38		887
42 BASAL MANN & OSTR MU TOTAL	5105	.65	.10	2898	209	2689	38 (1)	104683	
43 ELLERSLIE 23-036-06	504	.75	.10	340		340	37	12855	200
44 ELKTON A	671	.85	.15	485	268	217	37	8122	400
45 ELKTON I	471	.85	.15	340	23	317	37	11786	200
46 OTHER	13819			5455	102	5353		208138	
47 TOTAL-CAROLINE	35978			19681	4714	14967		582867	
48 CARROT CREEK 052-12W5									
49 LOWER MANNVILLE S	371	.90	.10	301		301	40	12055	200
50 LOWER MANNVILLE G	824	.85	.15	595			40		1054
51 LOWER MANNVILLE L	246	.85	.15	178			40		511
52 LOWER MANNVILLE O	82	.85	.15	59			40		200
53 LOWER MANNVILLE G,L&O TOTAL	1152	.85	.15	832	76	756	40	30278	
54 LOWER MANNVILLE Q	481	.85	.25	306			40		200
55 JURASSIC T	163	.80	.10	117			37		294
56 L MANN Q& JUR T TOTAL	644	.85	.20	423	42	381	39	14870	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
2.11	.210	.70	8020	41	.848	.65	1349.8	1964	1984	A&S CWNGNUL PANALTA TCPL PART OF VIK POOL	2
										NO.3	3
5.60	.199	.65	10170	50	.823	.68	1446.6	1955	1984	CWNG CWNGNUL TCPL MATERIAL BALANCE	4
						.66		1964	1984	A&S CWNGNUL PANALTA CONCURRENT PRODUCTION	5
3.34	.064	.75	11030	44	.806	.66	1551.6	1964	1984	A&S CWNGNUL PANALTA CONCURRENT PRODUCTION	6
											7
											8
											9
											10
											11
											12
											13
						.67		1957	1978	CONCURRENT PRODUCTION	14
2.00	.108	.75	17260	74	.832	.67	2396.0	1957	1978	CONCURRENT PRODUCTION	15
								1957	1984	CONCURRENT PRODUCTION	16
						.68		1976	1984	PROGAS TCPL SECONDARY GAS CAP	17
8.02	.150	.70	29370	86	.917	.75	2881.4	1958	1981	A&S PRODUCTION DECLINE	18
26.10	.110	.85	19760	93	.859	.67	2958.8	1981	1981	A&S	19
2.82	.117	.80	22670	75	.842	.69	2803.9	1979	1984		20
3.37	.088	.60	27900	80	.870	.81	2978.0	1980	1984	PROGAS	21
2.83	.130	.80	26550	72	.857	.74	2677.9	1976	1983	A&S	22
10.60	.110	.95	25500	84	.880	.70	2844.3	1978	1979	A&S TCPL	23
2.73	.113	.80	24875	78	.875	.68	2923.4	1970	1983	PANALTA PROGAS TCPL	24
1.51	.109	.80	28480	80	.897	.87	3001.1	1980	1983		25
1.77	.087	.75	28480	75	.897	.78	2994.3	1980	1983		26
								1980	1983		27
1.33	.107	.80	27970	84	.908	.74	2657.8	1979	1984		28
.94	.116	.85	29680	81	.924	.68	2650.8	1964	1984		29
.90	.138	.85	27450	84	.905	.68	2650.8	1980	1984		30
								1964	1984		31
1.00	.130	.90	22950	91	.866	.71	2886.5	1980	1983		32
3.90	.103	.80	24540	90	.881	.69	2841.0	1978	1984		33
1.70	.090	.75	22600	91	.870	.70	2096.0	1980	1982		34
4.00	.140	.85	22600	91	.870	.70	2943.0	1980	1983		35
1.03	.100	.70	22470	94	.855	.73	2954.6	1979	1983		36
.74	.077	.65	26000	77	.875	.71	2908.7	1981	1983		37
1.40	.075	.65	22200	92	.852	.73	2936.5	1979	1983		38
1.16	.095	.70	26750	78	.883	.71	2915.5	1981	1982		39
1.22	.077	.80	19800	78	.835	.69	2980.8	1980	1983		40
2.63	.094	.80	22800	93	.882	.68	2982.5	1980	1982		41
								1978	1984	A&S PROGAS TCPL	42
14.90	.110	.85	16730	71	.765	.78	2656.4	1983	1983		43
9.87	.099	.80	23740	93	.859	.77	2831.0	1959	1984	A&S	44
11.10	.120	.80	25250	92	.891	.71	2870.5	1981	1984		45
											46
											47
											48
7.88	.150	.65	23100	62	.812	.73	2066.3	1979	1984		49
5.01	.118	.75	17660	81	.805	.76	2135.5	1976	1984		50
2.86	.115	.75	17900	65	.770	.87	2180.2	1976	1982		51
2.30	.150	.60	18020	65	.770	.76	2158.8	1979	1983		52
								1976	1984	TCPL	53
9.97	.130	.75	23100	62	.792	.78	2060.1	1979	1982		54
2.62	.124	.70	23100	63	.803	.74	2090.6	1979	1982		55
								1979	1983	PANALTA	56

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
1 CARROT CREEK 052-12W5 (CONTINUED)									
2 OTHER	4133			2661	122	2539		98266	
3 TOTAL-CARROT CREEK	6300			4217	240	3977		155469	
4 CARSON CREEK 061-12W5									
5 BEAVERHILL LAKE B	10941	(3)	(3)	8030	4257	3773	41 (1)	157145	10130
6 TOTAL-CARSON CREEK	10941			8030	4257	3773		157145	
7 CARSON CREEK NORTH 062-12W5									
8 BEAVERHILL LAKE B SOLN	11645	.47	.20	4379	2994	1385	40 (1)	55469	
9 BEAVERHILL LAKE A SOLN	3556	.45	.20	1280 (2)			40 (1)		
10 BEAVERHILL LAKE A ASSOC	691	.90	.10	560 (2)	1300 (2)	540	40 (1)	21627	1129
11 OTHER	191			122		122		4886	
12 TOTAL-CARSON CREEK NORTH	16083			6341	4294	2047		81982	
13 CARSTAIRS 030-02W5									
14 ELKTON A	29910	(3)	(3)	20800	19906	894	40 (1)	35903	7186
15 OTHER	1311			878	30	848		34156	
16 TOTAL-CARSTAIRS	31221			21678	19936	1742		70059	
17 CARVEL 053-02W5									
18 TOTAL-CARVEL	514			361		361		13649	
19 CASLAN 065-17W4									
20 NISKU A	624	.75	.05	444	52	392	37	14528	1955
21 OTHER	542			331	41	290		10756	
22 TOTAL-CASLAN	1166			775	93	682		25284	
23 CASSILS 019-15W4									
24 MILK RIVER A	2481	.70	.05	1650			36 (1)		9504
25									
26 MEDICINE HAT A	1237	.70	.03	840			36 (1)		8284
27 MEDICINE HAT C	206	.50	.03	100			36 (1)		4486
28 SE ALTA GAS SYS (MU) TOTAL	3924	.70	.05	2590	265	2325	36 (1)	84421	
29 OTHER	138			99	1	98		3607	
30 TOTAL-CASSILS	4062			2689	266	2423		88028	
31 CASTLE (SA) 055-01W5									
32 TOTAL-CASTLE	27			17		17		637	
33 CAVALIER 024-23W4									
34 TOTAL-CAVALIER	95			54		54		2034	
35 CAW (SA) 061-06W6									
36 TOTAL-CAW	77			50		50		1886	
37 CECIL 084-08W6									
38 TOTAL-CECIL	369			293	25	268		10171	
39 CECILIA 057-22W5									
40 TOTAL-CECILIA	276			210		210		7860	
41 CENTRON (SA) 023-26W4									
42 TOTAL-CENTRON	17			9		9		337	
43 CEREAL 026-07W4									
44 TOTAL-CEREAL	136			87		87		3359	
45 CESSFORD 025-13W4									
46 MILK RIVER A	4180	.70	.05	2780			36 (1)		43824
47									
48 MEDICINE HAT A	10014	.70	.03	6800			36 (1)		124396
49 MEDICINE HAT C	226	.50	.03	110			36 (1)		9287
50 MEDICINE HAT D	990	.50	.03	480			36 (1)		31928
51 SE ALTA GAS SYS(MU) TOTAL	15410	.70	.05	10170	730	9440	36 (1)	342766	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
6.42	.079	.80	26130	93	.850	.92	2627.4	1957	1983	GAS CYCLING	5
						.83		1958	1976	A&S PROGAS	8
						.71		1958	1981	A&S PROGAS CONCURRENT PRODUCTION	9
3.13	.094	.90	25750	85	.885	.71	2644.1	1958	1981	A&S PROGAS CONCURRENT PRODUCTION	10
17.48	.121	.90	22820	80	.845	.73	2461.1	1958	1981	GAS CYCLING	14
9.10	.165	.65	3150	20	.935	.57	586.2	1976	1982	TCPL	20
10.32	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	24 25
3.45	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	26
1.17	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	27
								1904	1983	PANALTA TCPL	28
3.77	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	46 47
1.86	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	48
.62	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	49
.79	.139	.60	4450	19	.921	.57	328.6	1973	1984	PART OF MED HAT POOL NO.4	50
								1904	1984	CNG KANNGAZ PANALTA PROGAS TCPL	51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	CESSFORD 025-13W4 (CONTINUED)									
2	SECOND WHITE SPECKS A	576	.75	.05	410	43	367	36	13326	8828
3	VIKING D	600	.80	.05	456			38		6079
4	VIKING H	775	.75	.03	563			38		3829
5	VIKING D & H TOTAL	1375	.75	.05	1019	343	676	38	25810	
6	BASAL COLORADO A SOLN	543	.23	.21	99 (2)			38 (1)		
7										
8	BASAL COLORADO A ASSOC	19650	.88	.04	16600 (2)	16191 (2)	508	38 (1)	19588	54633
9										
10	BASAL COLORADO D	1050	.80	.10	756	676	80	38 (1)	3085	4192
11	BASAL COLORADO E	1516	.85	.10	1160			38 (1)		3595
12	MANNVILLE N	114	.85	.04	93			37		440
13	MANNVILLE O	202	.75	.05	145			37		200
14	BSL COLO E & MANN N+O TOTAL	1832	.85	.10	1398	1265	133			
15	MANNVILLE I ASSOC	433	.75	.04	312	278	34	38	1311	1457
16										
17	MANNVILLE C SOLN	1188	.65	.19	625 (2)			38 (1)		
18	MANNVILLE C ASSOC	1934	.85	.10	1480 (2)			38 (1)		2829
19	MANNVILLE C ASSOC	15	.75	.10	10 (2)			38 (1)		64
20	MANNVILLE C ASSOC	36	.75	.10	24 (2)			38 (1)		192
21	MANNVILLE C TOTAL	3173	.75	.15	2139 (2)	1471 (2)	668	38 (1)	25758	
22	MANNVILLE G	1314	.70	.04	883	822	61	37 (1)	2283	2331
23	MANNVILLE H	1770	.80	.04	1360	1197	163	37 (1)	6101	2836
24	MANNVILLE J	628	.72	.04	437	436	1	37 (1)	37	1971
25	MANNVILLE P	555	.90	.04	479	393	86	37	3219	440
26	MANNVILLE V	973	.90	.04	839	732	107	37 (1)	4005	365
27	MANNVILLE Y ASSOC							38 (1)		304
28	MANNVILLE Z ASSOC							38		214
29	MANNVILLE Y&Z SOLN	157	.65	.30	72 (2)			38		
30	MANNVILLE Y & Z TOTAL	510	.80	.15	342 (2)	202 (2)	140	38 (1)	5398	
31	MANNVILLE L		.75	.05				37 (1)		461
32	MANNVILLE CC		.75	.05				37 (1)		2484
33	MANNVILLE L & CC TOTAL	609	.75	.05	434	341	93	37 (1)	3481	
34	MANNVILLE G2G	488	.70	.10	308	127	181	38	6979	615
35	GLAUCONITIC T	345	.80	.10	248			38		2038
36	MANNVILLE HH ASSOC	1110	.80	.10	799			38		2455
37	GLAUC T & MANN HH TOTAL	1455	.80	.10	1047	200	847	38	32660	
38	OTHER	11102			7275	1859	5416		206495	
39	TOTAL-CESSFORD	63446			46307	27306	19001		702302	
40	CHAIN 033-17W4									
41	TOTAL-CHAIN	709			514	97	417		15858	
42	CHAMBERLAIN 052-23W4									
43	TOTAL-CHAMBERLAIN	7			5		5		221	
44	CHAMBERS 041-10W5									
45	ELKTON 05-041-11	462	.85	.10	355		355	40	14353	200
46	OTHER	1363			946		946		37854	
47	TOTAL-CHAMBERS	1825			1301		1301		52207	
48	CHANDLER 059-02W4									
49	TOTAL-CHANDLER	194			113	27	86		3218	
50	CHARD 079-06W4									
51	MCMURRAY B	2130	.75	.05	1518	123	1395	43	60055	16629
52	OTHER	43			21		21		786	
53	TOTAL-CHARD	2173			1539	123	1416		60841	
54	CHARLIE 089-05W6									
55	TOTAL-CHARLIE	368			242		242		9060	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			
.84	.216	.60	5690	27	.899	.57	630.0	1939	1982	PANALTA TCPL PART OF 2WS POOL NO.1
1.03	.208	.55	7550	27	.855	.59	798.7	1969	1981	
2.06	.210	.55	7620	24	.859	.60	798.9	1953	1975	
								1953	1981	TCPL
						.61		1951	1984	DOMEDOW PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.96	.265	.60	8810	27	.836	.61	877.9	1951	1984	DOMEDOW PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.41	.244	.60	7600	28	.838	.65	920.8	1951	1982	TCPL MATERIAL BALANCE
2.32	.215	.50	8680	27	.822	.64	899.2	1950	1983	MATERIAL BALANCE
3.08	.212	.50	976	33	.808	.65	1012.9	1951	1977	MATERIAL BALANCE
6.17	.233	.60	8720	33	.823	.61	973.2	1953	1976	MATERIAL BALANCE
								1950	1983	TCPL
1.55	.218	.50	9760	33	.843	.59	1017.4	1951	1984	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
						.72		1951	1981	CONCURRENT PRODUCTION
3.33	.240	.70	9720	33	.756	.72	1014.6	1951	1981	CONCURRENT PRODUCTION
1.23	.230	.70	9720	33	.756	.72	1023.5	1951	1982	
.92	.240	.70	9720	33	.756	.72	1025.4	1951	1981	
						.72		1951	1982	TCPL CONCURRENT PRODUCTION
4.08	.210	.50	9760	33	.812	.65	1033.9	1950	1979	TCPL MATERIAL BALANCE
4.30	.254	.55	9930	30	.797	.65	933.3	1958	1982	TCPL MATERIAL BALANCE
2.90	.232	.55	10580	33	.798	.65	1035.7	1958	1971	TCPL MATERIAL BALANCE
4.32	.230	.50	9620	35	.819	.65	1108.3	1964	1973	TCPL MATERIAL BALANCE
2.81	.160	.45	9760	38	.873	.66	1158.2	1959	1973	KANNGAZ TCPL MATERIAL BALANCE
.55	.222	.70	9680	29	.818	.63	996.4	1951	1983	PRODUCTION DECLINE
.56	.236	.65	9680	29	.801	.65	991.3	1951	1983	PRODUCTION DECLINE
						.63		1951	1983	CONCURRENT PRODUCTION
								1951	1983	TCPL CONCURRENT PRODUCTION
2.69	.023	.50	9650	35	.818	.65	1107.6	1962	1980	MATERIAL BALANCE
2.04	.170	.50	9450	35	.820	.65	1087.1	1962	1980	MATERIAL BALANCE
								1962	1980	TCPL
6.80	.178	.60	9810	42	.810	.67	1232.2	1966	1982	TCPL
1.64	.177	.55	9670	40	.828	.64	1282.0	1966	1984	PART OF GLAUC POOL NO.4
4.77	.157	.55	9830	38	.819	.69	1230.9	1972	1982	PART OF GLAUC POOL NO.4
						.65		1966	1984	TCPL PART OF GLAUC POOL NO.4
14.87	.080	.85	29790	110	.967	.72	3398.8	1973	1974	
3.67	.283	.70	1730	16	.967	.56	253.8	1957	1984	PANALTA TCPL PART OF MCM POOL NO.1

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		10^6 m^3	fraction		10^6m^3			MJ/m^3	TJ	ha
1	CHARLOTTE LAKE 060-04W4									
2	TOTAL-CHARLOTTE LAKE	912			518	294	224		8369	
3	CHARM 103-09W6									
4	TOTAL-CHARM	57			37		37		1482	
5	CHARRON 069-16W4									
6	GROSMONT A	578	.60	.05	330	264	66	37	2446	5250
7	OTHER	997			565	40	525		19821	
8	TOTAL-CHARRON	1575			895	304	591		22267	
9	CHAUVIN 043-01W4									
10	TOTAL-CHAUVIN	632			421	4	417		15484	
11	CHAUVIN SOUTH 042-02W4									
12	TOTAL-CHAUVIN SOUTH	1987			1363	238	1125		41963	
13	CHEDDERVILLE 037-07W5									
14	LEDUC A	1681	.70	.15	1000	99	901	37	34067	625
15	TOTAL-CHEDDERVILLE	1681			1000	99	901		34067	
16	CHERHILL 056-05W5									
17	TOTAL-CHERHILL	3396			2027	239	1788		70142	
18	CHERPETA 074-19W4									
19	TOTAL-CHERPETA	899			498		498		18640	
20	CHERRY (SA) 009-13W4									
21	TOTAL-CHERRY	22			16		16		545	
22	CHICKADEE 062-16W5									
23	GETHING A	781	.75	.05	557	87	470	37	17592	3141
24	GETHING C	726	.65	.10	425	28	397	40	15900	1404
25	GETHING G	498	.75	.10	336	7	329	37	12314	1339
26	OTHER	2295			1580	105	1475		56121	
27	TOTAL-CHICKADEE	4300			2898	227	2671		101927	
28	CHICKEN 061-07W6									
29	TOTAL-CHICKEN	492			327	5	322		12143	
30	CHIGWELL 041-24W4									
31	MANNVILLE A	790	.80	.10	569	569	< 1	42 (1)	-	928
32	MANNVILLE J	1129	.75	.15	720	20	700	42	29610	992
33	OTHER	3911			2473	126	2347		97502	
34	TOTAL-CHIGWELL	5830			3762	715	3047		127112	
35	CHIGWELL NORTH 042-24W4									
36	TOTAL-CHIGWELL NORTH	123			79		79		3016	
37	CHIN COULEE 007-14W4									
38	TOTAL-CHIN COULEE	62			43	4	39		1460	
39	CHINCHAGA 097-06W6									
40	SLAVE POINT A	1389	.80	.10	1000	50	950	37	35559	2386
41	OTHER	44			29		29		1140	
42	TOTAL-CHINCHAGA	1433			1029	50	979		36699	
43	CHINCHAGA NORTH 098-07W6									
44	TOTAL-CHINCHAGA NORTH	777			509	52	457		18459	
45	CHING (SA) 078-05W6									
46	TOTAL-CHING	48			35		35		1284	
47	CHINIKI (SA) 024-07W5									
48	RUNDLE 04-024-07	932	.90	.20	671		671	38	26122	200
49	TOTAL-CHINIKI	932			671		671		26122	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			
6.70	.140	.75	2620	23	.948	.57	463.6	1974	1982	PRODUCTION DECLINE
15.58	.063	.90	29530	134	.973	.72	3555.6	1967	1982	PANALTA
3.34	.125	.45	13840	73	.859	.67	1846.5	1978	1982	PANALTA PROGAS
5.51	.130	.50	14200	66	.825	.66	1903.0	1979	1982	PROGAS
3.46	.139	.50	14420	58	.803	.67	1900.5	1977	1982	PANALTA PROGAS
6.87	.170	.65	11530	64	.825	.69	1571.2	1952	1984	TCPL
7.48	.159	.75	11930	56	.808	.69	1568.9	1977	1983	
7.13	.084	.60	20530	87	.824	.84	2152.2	1973	1984	PANALTA MATERIAL BALANCE
45.31	.049	.80	28670	84	.885	.70	2630.9	1979	1980	BER

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	10^6 m^3	fraction		10^6m^3			MJ/m^3	TJ	ha
1 CHINOOK 029-08W4									
2 BELLY RIVER A	489	.65	.05	301	270	31	38	1184	4268
3 OTHER	591			388	11	377		14575	
4 TOTAL-CHINOOK	1080			689	281	408		15759	
5 CHINOOK RIDGE (SA) 065-13W6									
6 CADOTTE 12-065-13	890	.90	.10	721		721	38	27528	440
7 NOTIKEWIN 12-065-13	569	.90	.10	462		462	38	17639	200
8 U BELLOY 11-065-13	750	.80	.25	450		450	38	17181	200
9 OTHER	352			254		254		9698	
10 TOTAL-CHINOOK RIDGE	2561			1887		1887		72046	
11 CHIP LAKE 053-10W5									
12 TOTAL-CHIP LAKE	422			324	244	80		3168	
13 CHISHOLM 068-01W5									
14 TOTAL-CHISHOLM	1201			799	103	696		26914	
15 CINDY 077-01W6									
16 TOTAL-CINDY	235			168	55	113		3428	
17 CLAIR 073-05W6									
18 TOTAL-CLAIR	46			29		29		1169	
19 CLANDONALD (SA) 051-06W4									
20 TOTAL-CLANDONALD	188			125		125		4679	
21 CLARESHOLM 013-26W4									
22 TOTAL-CLARESHOLM	1062			706	47	659		27626	
23 CLAY 059-14W4									
24 VIKING A	1137	.80	.05	864	1	863	36	31655	19603
25 OTHER	1158			775	150	625		23377	
26 TOTAL-CLAY	2295			1639	151	1488		55032	
27 CLAYHURST 083-05W6									
28 TOTAL-CLAYHURST	14			7		7		262	
29 CLEAR HILLS (SA) 088-11W6									
30 TOTAL-CLEAR HILLS	206			129		129		5119	
31 CLEAR PRAIRIE 091-12W6									
32 TOTAL-CLEAR PRAIRIE	330			211		211		7916	
33 CLEARWATER (SA) 035-12W5									
34 TURNER VALLEY 32-035-12	669	.75	.15	426		426	37	16107	200
35 TOTAL-CLEARWATER	669			426		426		16107	
36 CLIFFDALE (SA) 084-17W5									
37 TOTAL-CLIFFDALE	34			19		19		761	
38 CLIVE 040-24W4									
39 D-2 A POOL 1 ASSOC	175	.85	.30	104 (2)			39 (1)		293
40 D-2 A POOL 1 SOLN	1097	.45	.40	296 (2)			39 (1)		
41 D-2 A POOL ASSOC	72	.85	.25	46 (2)			39 (1)		259
42 D-2 A POOL 3 ASSOC	984	.85	.30	585 (2)			39 (1)		1345
43 D-2A POOL 4 ASSOC	4	.85	.25	2 (2)			39 (1)		16
44 D-2 A TOTAL	2332	.65	.35	1033 (2)	390 (2)	643	39 (1)	25270	
45 D-3 A POOL ASSOC	167	.85	.35	92			39 (1)		420
46 D-3 A POOL 1 SOLN	2069	.53	.35	713			39 (1)		
47 D-3 A POOL 2 ASSOC	383	.85	.35	211			39 (1)		516
48 D-3 A POOL 3 ASSOC	384	.85	.35	212			39 (1)		427
49 D-3 A POOL 4 ASSOC	108	.85	.35	60			39 (1)		317
50 D-3 A TOTAL	3111	.65	.35	1288	569	719	39 (1)	28257	
51 OTHER	2256			1472	167	1305		49323	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			
2.96	.338	.65	1690	11	.960	.58	244.4	1967	1976	CWNGNUL
7.09	.200	.70	22750	98	.850	.80	2807.1	1956	1981	BER
9.87	.200	.70	23440	112	.860	.80	2881.6	1956	1981	BER
19.80	.120	.65	37510	150	1.038	.70	4310.0	1979	1983	BER
1.03	.253	.50	4180	18	.918	.58	454.4	1949	1982	NIP PANALTA PART OF VIK POOL NO.6
28.02	.065	.85	28840	111	.989	.65	4156.5	1980	1981	BER
5.79	.065	.85	17100	67	.733	.87	1850.7	1951	1983	CONING GAS CAP
						.87		1951	1983	CONING GAS CAP
2.66	.063	.85	17090	67	.733	.87	1834.0	1951	1984	
6.46	.063	.85	17070	67	.675	.90	1847.6	1951	1984	
2.13	.063	.85	17060	67	.739	.83	1883.7	1951	1984	
								1951	1984	TCPL PANALTA CONING GAS CAP
4.10	.056	.85	17570	67	.722	.87	1879.2	1952	1984	
						.87		1952	1984	
7.62	.056	.85	17600	67	.722	.87	1912.6	1952	1984	
8.12	.056	.85	17570	57	.651	.93	1874.7	1952	1984	
3.53	.056	.85	17550	67	.722	.87	1872.6	1952	1984	
								1952	1984	PANALTA TCPL

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 CLIVE 040-24W4 (CONTINUED)									
2 TOTAL-CLIVE	7699			3793	1126	2667		102850	
3 CLOUSTON (SA) 071-24W5									
4 TOTAL-CLOUSTON	24			16		16		599	
5 CLOVER 061-17W5									
6 TOTAL-CLOVER	242			167	31	136		5469	
7 CLYDE LAKE 073-10W4									
8 TOTAL-CLYDE LAKE	55			30		30		1123	
9 CLYDEN 075-13W4									
10 TOTAL-CLYDEN	338			206		206		7710	
11 COALDALE 008-20W4									
12 TOTAL-COALDALE	653			328	198	130		4916	
13 CODDIN (SA) 088-19W5									
14 TOTAL-CODDIN	7			5		5		187	
15 COLD LAKE 063-02W4									
16 COLONY A	545	.80	.05	414	303	111	37	4155	710
17 COLONY D	529	.80	.05	402	181	221	37	8272	945
18 OTHER	259			147	27	120		4491	
19 TOTAL-COLD LAKE	1333			963	511	452		16918	
20 COLEMAN 009-05W5									
21 RUNDLE A	4718	.75	.35	2300			38		1274
22 PALLISER B	3428	.75	.30	1800			38		630
23 RUNDLE A & PALLISER B TOTAL	8146	.75	.35	4100	1366	2734	38	106435	
24 TOTAL-COLEMAN	8146			4100	1366	2734		106435	
25 COLINTON 064-20W4									
26 TOTAL-COLINTON	272			170	28	142		5315	
27 COLORADO 090-04W6									
28 TOTAL-COLORADO	263			150	5	145		5699	
29 COLT 058-24W5									
30 TOTAL-COLT	539			385	3	382		14366	
31 COLUMBIA 042-16W5									
32 NISKU B	622	.70	.05	414	161	253	40	10229	128
33 OTHER	1435			763	2	761		30449	
34 TOTAL-COLUMBIA	2057			1177	163	1014		40678	
35 COMPEER 033-02W4									
36 TOTAL-COMPEER	444			324	104	220		8235	
37 COMREY 001-07W4									
38 BOW ISLAND	714	.80	.03	555	539	16	35	563	2447
39 OTHER	993			670	116	554		20386	
40 TOTAL-COMREY	1707			1225	655	570		20949	
41 CONKLIN (SA) 075-07W4									
42 TOTAL-CONKLIN	55			28		28		1058	
43 CONNEMARA 016-27W4									
44 RUNDLE 04-016-27	521	.90	.15	399		399	41	16431	200
45 OTHER	57			27		27		1021	
46 TOTAL-CONNEMARA	578			426		426		17452	
47 CONNORSVILLE 025-15W4									
48 MILK RIVER A	1017	.70	.05	676			36 (1)		16500
49									
50 MEDICINE HAT A	2846	.70	.03	1920			36 (1)		25579
51 SE ALTA GAS SYS(MU) TOTAL	3863	.70	.05	2596	50	2546	36 (1)	92445	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
1.60	.310	.70	2300	20	.952	.57	269.1	1952	1983	LOC U MATERIAL BALANCE	16
2.27	.310	.70	2300	18	.950	.57	270.1	1952	1980	LOC U MATERIAL BALANCE	17
27.86	.050	.80	31600	67	.850	.76	3043.4	1969	1984	MATERIAL BALANCE	21
41.70	.050	.80	33700	102	.953	.71	3605.0	1969	1984	MATERIAL BALANCE	22
								1969	1984	A&S	23
17.00	.098	.85	59370	110	1.284	.57	4123.5	1980	1983	PANALTA	32
5.86	.250	.50	5340	27	.915	.59	755.3	1952	1983	CMG MATERIAL BALANCE	38
12.19	.120	.85	20820	68	.828	.72	2288.1	1956	1979	PROGAS	44
2.44	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	48 49
2.56	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	50
								1904	1983	CWNGNUL CNG KANNGAZ PROGAS TCPL PANALTA	51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	CONNORSVILLE 025-15W4 (CONTINUED)									
2	VIKING A	527	.60	.05	300	144	156	37	5839	2506
3	GLAUCONITIC A	298	.85	.05	241			41		440
4	GLAUCONITIC B	31	.75	.05	22			41		128
5	GLAUCONITIC C	234	.75	.05	166			41		738
6	GLAUCONITIC E	266	.75	.05	190			41		200
7	ELLERSLIE A	3750	.80	.10	2700			41		11164
8	GLAUC ABCE & ELLERL A TOTAL	4579	.80	.10	3319	1125	2194	41	90349	
9	OTHER	1293			904	107	797		32075	
10	TOTAL-CONNORSVILLE	10262			7119	1426	5693		220708	
11	COOKING LAKE 052-22W4									
12	TOTAL-COOKING LAKE	246			156	9	147		5449	
13	CORAL 046-05W5									
14	TOTAL-CORAL	191			120		120		4806	
15	CORBETT 061-07W5									
16	VIKING A	551	.90	.05	471	416	55	37	2080	1662
17	OTHER	422			288	8	280		11052	
18	TOTAL-CORBETT	973			759	424	335		13132	
19	CORDELL 042-16W5									
20	TURNER VALLEY 2042-16	1082	.50	.10	487		487	40	19529	400
21	TURNER VALLEY 1042-16	1121	.50	.10	505		505	40	20251	600
22	TOTAL-CORDELL	2203			992		992		39780	
23	CORNER 080-09W4									
24	TOTAL-CORNER	6			3		3		112	
25	CORNWALL 070-26W5									
26	TOTAL-CORNWALL	156			111		111		4101	
27	CORRIN 061-13W4									
28	VIKING A	1145	.85	.05	924		924	37	34585	8712
29	OTHER	708			452		452		16918	
30	TOTAL-CORRIN	1853			1376		1376		51503	
31	COSWAY 030-26W4									
32	TOTAL-COSWAY	169			116	7	109		4533	
33	COUNTESS 020-16W4									
34	MILK RIVER A	8857	.70	.05	5890			36 (1)		77352
35										
36	MEDICINE HAT A	11193	.70	.03	7600			36 (1)		104704
37	MEDICINE HAT C	154	.50	.03	75			36 (1)		5302
38	MEDICINE HAT D	29	.50	.03	14			36 (1)		1388
39	SE ALTA GAS SYS(MU) TOTAL	20233	.70	.05	13579	499	13080	36 (1)	474935	
40	BOW ISLAND A	1511	.85	.05	1220	473	747	37 (1)	28244	8700
41	BASAL COLORADO A	5170	.91	.05	4470	4162	308	37 (1)	11645	14468
42	UPPER MANNVILLE D SOLN	594	.39	.25	174 (2)			38 (1)		
43	UPPER MANNVILLE D ASSOC	241	.75	.10	163 (2)	319 (2)	18	38 (1)	687	406
44	UPPER MANNVILLE S	460	.80	.05	350	240	110	38	4200	582
45	OTHER	7611			4881	1565	3316		126462	
46	TOTAL-COUNTESS	35820			24837	7258	17579		646173	
47	COUTTS 001-16W4									
48	TOTAL-COUTTS	164			109		109		4693	
49	COYOTE 028-15W4									
50	TOTAL-COYOTE	926			633	31	602		22563	
51	CRAIGEND 064-13W4									
52	VIKING A	9474	.50	.05	4500	8	4492	37	168136	71137
53										

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
2.23	.210	.65	7570	36	.885	.59	926.3	1956	1980	TCPL PANALTA MATERIAL BALANCE	2
6.17	.170	.60	9260	29	.810	.61	1064.7	1963	1982	PART OF ELRSL POOL NO.1	3
2.70	.200	.45	9310	40	.855	.61	1102.5	1964	1984	PART OF ELRSL POOL NO.1	4
1.85	.250	.65	9340	29	.835	.61	1073.8	1975	1976	PART OF ELRSL POOL NO.1	5
11.30	.190	.60	9690	42	.848	.65	1074.9	1976	1982	PART OF ELRSL POOL NO.1	6
3.45	.179	.50	9720	35	.825	.65	1115.1	1963	1983	PART OF ELRSL POOL NO.1	7
								1963	1984	PART OF ELRSL POOL NO.1	8
											9
											10
											11
											12
											13
											14
											15
2.06	.200	.55	8270	44	.884	.65	1024.2	1971	1982	TCPL MATERIAL BALANCE	16
											17
											18
											19
7.15	.065	.85	29500	96	.956	.64	3672.2	1979	1984	TCPL	20
10.14	.053	.80	29660	97	.953	.64	3545.9	1979	1984	TCPL	21
											22
											23
											24
											25
											26
											27
1.86	.280	.60	4030	21	.927	.57	399.0	1949	1982	CNG PANALTA PART OF VIK POOL NO.6	28
											29
											30
											31
											32
											33
4.52	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	34 35
2.47	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	36
.74	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	37
.53	.139	.60	4450	19	.921	.57	487.7	1973	1980	PART OF MED HAT POOL NO.4	38
							.	1904	1984	PANALTA PROGAS TCPL	39
1.78	.229	.55	7310	33	.877	.60	889.1	1951	1983	TCPL	40
1.19	.182	.70	8470	37	.875	.61	1060.4	1951	1980	TCPL MATERIAL BALANCE	41
						.64		1967	1982	TCPL CONCURRENT PRODUCTION	42
2.75	.268	.65	11000	35	.819	.64	1050.1	1967	1982	TCPL CONCURRENT PRODUCTION	43
3.70	.240	.75	10420	49	.867	.59	1279.2	1972	1982	TCPL MATERIAL BALANCE	44
											45
											46
											47
											48
											49
											50
											51
2.53	.270	.55	3350	16	.930	.58	338.1	1949	1984	CWNGNUL CNG KANNGAZ MIP PANALTA TCPL PART OF VIK POOL NO.6	52 53

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	CRAIGEND 064-13W4 (CONTINUED)									
2	GRAND RAPIDS A	992	.70	.05	660	238	422	37	15795	8180
3	GRAND RAPIDS H	483	.75	.05	344	129	215	37	8047	252
4	GRAND RAPIDS P	580	.65	.05	358		358	37	13400	965
5	MCMURRAY C	1578	.60	.05	900	477	423	37	15833	12862
6	GROSMONT A	5380	.45	.05	2300	1966	334	37	12502	34601
7	OTHER	6929			4297	1480	2817		105395	
8	TOTAL-CRAIGEND	25416			13359	4298	9061		339108	
9	CRAIGMYLE 032-17W4									
10	TOTAL-CRAIGMYLE	1681			1112	26	1086		41496	
11	CRANBERRY 096-04W6									
12	DEBOLT A	2587	.70	.05	1720	266	1454	40	58233	6069
13	SLAVE POINT A	13148	.85	.15	9500	1112	8388	41	345418	25179
14	SLAVE POINT B	600	.75	.15	383	244	139	41	5724	694
15	GILWOOD 096-04	624	.80	.10	449		449	41	18490	797
16	OTHER	559			379		379		15092	
17	TOTAL-CRANBERRY	17518			12431	1622	10809		442957	
18	CRANFORD 008-19W4									
19	TOTAL-CRANFORD	111			68	61	7		265	
20	CRESSDAY (SA) 003-01W4									
21	TOTAL-CRESSDAY	57			41		41		1535	
22	CROOKED 069-23W4									
23	TOTAL-CROOKED	605			387	4	383		14216	
24	CROSSFIELD 026-01W5									
25	BASAL QUARTZ A	1583	.92	.19	1180	865	315	38 (1)	12027	4175
26	BASAL QUARTZ G	396	.90	.15	303	224	79	38 (1)	3016	200
27	BASAL QUARTZ C							38 (1)		440
28	BASAL QUARTZ D							38 (1)		440
29	BASAL QUARTZ C & D TOTAL	817	.70	.15	486	283	203	38 (1)	7751	
30	RUNDLE A	32359	.92	.13	25900	19819	6081	40 (1)	247193	13449
31	RUNDLE B	31370	.92	.21	22800	18746	4054	40 (1)	162363	8656
32	RUNDLE F	2103	.85	.15	1520	815	705	40 (1)	28235	1654
33	RUNDLE H	569	.90	.15	437	294	143	40 (1)	5727	200
34	RUNDLE I	718	.85	.15	518	287	231	40 (1)	9252	431
35	WABAMUN A	43452	.70	.52	14600	9838	4762	38	183813	42220
36	OTHER	5348			1669	254	1415		55006	
37	TOTAL-CROSSFIELD	118715			69413	51425	17988		714383	
38	CROSSFIELD EAST 029-01W5									
39	ELKTON A SOLN	207	.60	.20	99 (2)			42 (1)		
40	ELKTON A ASSOC	1571	.90	.12	1240 (2)	1187 (2)	152	42 (1)	6486	1147
41	ELKTON D SOLN	516	.60	.25	232 (2)			42		
42	ELKTON D ASSOC	1733	.85	.12	1300 (2)	981 (2)	551	42	23511	1264
43	ELKTON C	706	.85	.10	540	428	112	42 (1)	4779	440
44	WABAMUN A	33333	.80	.55	12000	7900	4100	36	148871	23957
45	WABAMUN B	1091	.75	.45	450	183	267	37 (1)	10095	1919
46	OTHER	1268			908	216	692		27369	
47	TOTAL-CROSSFIELD EAST	40425			16769	10895	5874		221111	
48	CROW (SA) 004-12W4									
49	TOTAL-CROW	24			16		16		557	
50	CRYSTAL 046-03W5									
51	VIKING A SOLN	1615	.65	.15	893	46	847	42	35828	
52	OTHER	447			271		271		11080	
53	TOTAL-CRYSTAL	2062			1164	46	1118		46908	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
2.07	.300	.70	2710	20	.943	.57	386.2	1962	1983	CWNGNUL CNG PANALTA TCPL	2
8.11	.300	.60	2620	25	.946	.56	387.3	1969	1982	CNG PANALTA MATERIAL BALANCE	3
11.10	.295	.80	2420	18	.950	.57	369.6	1967	1979	KANNGAZ PANALTA TCPL MATERIAL BALANCE	4
2.37	.250	.60	2930	26	.946	.57	529.7	1953	1983	CWNGNUL CNG PANALTA TCPL MATERIAL BALANCE	5
9.63	.105	.55	2830	25	.947	.57	545.2	1961	1982	CWNGNUL TCPL PRODUCTION DECLINE	6
											7
											8
											9
											10
											11
9.01	.172	.25	5500	30	.907	.58	745.7	1973	1983	PART OF DBLT POOL NO.1 MATERIAL BALANCE	12
5.77	.069	.65	21300	90	.827	.82	2251.7	1974	1984	DOMEDOW PANALTA PROGAS	13
6.04	.052	.60	21470	89	.814	.83	2302.7	1980	1984	PRODUCTION DECLINE	14
4.07	.130	.55	19550	82	.877	.64	2320.9	1975	1979		15
											16
											17
											18
											19
											20
											21
											22
											23
											24
2.62	.124	.70	16720	71	.829	.72	2233.0	1957	1975	TCPL	25
3.39	.130	.70	26820	71	.874	.76	2562.1	1965	1982	PRODUCTION DECLINE	26
4.32	.114	.70	16980	63	.812	.73	2108.0	1966	1980	MATERIAL BALANCE	27
1.85	.114	.70	16980	64	.812	.73	2118.1	1966	1980	MATERIAL BALANCE	28
								1966	1980		29
11.75	.115	.90	22900	81	.854	.74	2560.8	1956	1983	MATERIAL BALANCE PREVIOUS GAS CYCLING	30
22.06	.084	.85	21110	74	.845	.73	2264.7	1957	1983	TCPL WCOAST MATERIAL BALANCE	31
8.20	.111	.75	22720	83	.872	.73	2503.6	1970	1982	A&S MATERIAL BALANCE	32
12.65	.115	.90	22900	79	.852	.70	2560.3	1961	1975	A&S TCPL	33
9.39	.098	.85	20960	69	.822	.74	2322.6	1972	1976	TCPL	34
11.03	.057	.85	25030	74	.750	.87	2590.8	1954	1981	TCPL WCOAST MATERIAL BALANCE	35
											36
											37
											38
						.74		1960	1979	TCPL CONCURRENT PRODUCTION	39
9.77	.085	.80	20860	77	.823	.74	2268.9	1960	1979	TCPL CONCURRENT PRODUCTION	40
						.79		1961	1979	TCPL CONCURRENT PRODUCTION	41
7.21	.106	.85	20910	77	.806	.79	2307.9	1961	1979	TCPL CONCURRENT PRODUCTION	42
14.89	.090	.80	19140	77	.816	.74	2313.1	1968	1984	TCPL PRODUCTION DECLINE	43
15.98	.054	.85	24990	83	.743	.90	2665.4	1960	1981	PANALTA PROGAS TCPL MATERIAL BALANCE	44
7.84	.063	.85	24890	74	.664	.95	2647.8	1959	1981	MATERIAL BALANCE	45
											46
											47
											48
											49
											50
						.76		1978	1984	PROGAS	51
											52
											53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 CULP 079-24W5									
2 DEBOLT B 078-24	557	.85	.10	426		426	40	17061	1185
3 OTHER	504			364		364		14579	
4 TOTAL-CULP	1061			790		790		31640	
5 CUTBANK 064-09W6									
6 TOTAL-CUTBANK	960			671		671		25260	
7 CUTPICK (SA) 060-07W6									
8 TOTAL-CUTPICK	61			44		44		1647	
9 CYGNET 038-01W5									
10 TOTAL-CYGNET	301			196		196		7393	
11 CYN-PEM 051-11W5									
12 ELLERSLIE A	549	.75	.10	370	34	336	37	12576	1429
13 ROCK CREEK A	942	.75	.15	601	164	437	37	16357	2160
14 OTHER	2336			1286	63	1223		46924	
15 TOTAL-CYN-PEM	3827			2257	261	1996		75857	
16 CYPRESS (SA) 007-01W4									
17 TOTAL-CYPRESS	13			7		7		254	
18 CZAR 041-05W4									
19 TOTAL-CZAR	547			349		349		13000	
20 DALEHURST 053-23W5									
21 TOTAL-DALEHURST	105			75		75		2948	
22 DALEMEAD (SA) 022-26W4									
23 TOTAL-DALEMEAD	63			40		40		1572	
24 DAPP 062-26W4									
25 TOTAL-DAPP	94			64	34	30		1122	
26 DARWELL (SA) 054-05W5									
27 TOTAL-DARWELL	29			20		20		749	
28 DARWIN 098-18W5									
29 TOTAL-DARWIN	496			244		244		9589	
30 DAVEY 034-27W4									
31 BELLY RIVER A	561	.75	.05	400	251	149	39 (1)	5868	3955
32									
33 OTHER	886			460	43	417		16297	
34 TOTAL-DAVEY	1447			860	294	566		22165	
35 DAVID 041-03W4									
36 TOTAL-DAVID	197			126	2	124		4647	
37 DAWSON 080-16W5									
38 TOTAL-DAWSON	344			216		216		8084	
39 DEADMAN (SA) 082-19W4									
40 TOTAL-DEADMAN	32			17		17		636	
41 DEADWOOD 091-23W5									
42 TOTAL-DEADWOOD	119			80	28	52		2044	
43 DEANNE 038-11W5									
44 TOTAL-DEANNE	140			89		89		3465	
45 DECRENE 071-02W5									
46 CLEARWATER A	810	.75	.05	577	25	552	37	20661	3193
47 OTHER	1189			808	46	762		29682	
48 TOTAL-DECRENE	1999			1385	71	1314		50343	
49 DEEP 065-03W5									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
5.01	.140	.50	12590	49	.832	.64	1140.6	1973	1978		2
2.17	.120	.80	17470	67	.792	.71	2244.9	1973	1982	KANNGAZ TCPL	12
3.61	.096	.75	17430	79	.839	.73	2255.1	1973	1984	KANNGAZ TCPL	13
3.76	.180	.65	4090	43	.932	.62	1116.3	1974	1984	NUL CWNGNUL KANNGAZ PROGAS TCPL MATERIAL BALANCE	31
3.75	.269	.60	4270	38	.932	.57	541.8	1976	1984		46

TABLE 4-5 (continued) RESERVES OF GAS

POOL OR ZONE	1 RAW GAS' INITIAL VOLUME IN PLACE 10⁶ m³	2 RAW GAS' POOL RECOVERY fraction	3 RAW GAS' SURFACE LOSS fraction	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEATING VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
DEEP 065-03W5 (CONTINUED)									
TOTAL-DEEP	99			66		66		2718	
DEER 024-07W4									
TOTAL-DEER	380			249		249		9222	
DELIA 032-18W4									
BELLY RIVER A	777	.70	.05	517	10	507	37	18977	4339
OTHER	1023			654	12	642		24887	
TOTAL-DELIA	1800			1171	22	1149		43864	
DEMAY 048-19W4									
TOTAL-DEMAY	103			65	11	54		1958	
DERWENT 054-07W4									
TOTAL-DERWENT	276			182		182		6810	
DESMARAIS 080-25W4									
TOTAL-DESMARAIS	73			45		45		1684	
DETLOFF 081-10W6									
TOTAL-DETLOFF	66			47		47		1794	
DEVENISH 075-08W4									
TOTAL-DEVENISH	74			38		38		1423	
DEVIL 071-15W5									
TOTAL-DEVIL	67			45		45		1684	
DEWBERRY 053-04W4									
TOTAL-DEWBERRY	294			209		209		7888	
DIAMOND (SA) 010-21W4									
TOTAL-DIAMOND	78			56		56		2180	
DICKENS (SA) 120-05W6									
TOTAL-DICKENS	17			12		12		517	
DIMSDALE 071-07W6									
TOTAL-DIMSDALE	879			544		544		20976	
DINA 045-01W4									
TOTAL-DINA	499			331		331		12370	
DINANT 047-19W4									
TOTAL-DINANT	477			309	18	291		10895	
DIVIDE (SA) 082-13W4									
TOTAL-DIVIDE	6			3		3		112	
DIXONVILLE 086-01W6									
BLUESKY A	594	.70	.05	395	260	135	36	4952	1473
BLUESKY B	197	.70	.05	131			36		3050
GETHING A	815	.80	.05	619			36		2521
BLUESKY B & GETHING A TOTAL	1012	.80	.05	750	394	356	36	13058	
OTHER	1427			956	117	839		31709	
TOTAL-DIXONVILLE	3033			2101	771	1330		49719	
DIZZY (SA) 121-20W5									
TOTAL-DIZZY	134			91		91		3372	
DOBSON 029-09W4									
TOTAL-DOBSON	417			274	72	202		7765	
DOE 081-12W6									
KISKATINAW A	1017	.85	.05	821	159	662	38	25275	1456
OTHER	391			286	9	277		10368	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
3.61	.275	.55	3200	22	.940	.57	639.3	1977	1982	PANALTA SLPETRO	6
1.31	.220	.55	6410	35	.897	.59	766.6	1958	1981	NUL PANALTA TCPL PRODUCTION DECLINE	36
.85	.220	.55	6070	33	.899	.57	728.5	1952	1979		37
3.80	.212	.65	6020	34	.904	.56	742.3	1952	1979		38
								1952	1979	CWNGNUL PANALTA	39
5.26	.110	.60	21320	66	.891	.60	2409.4	1965	1980	PROGAS	47

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 DOE 081-12W6 (CONTINUED)									
2 TOTAL-DOE	1408			1107	168	939		35643	
3 DOIG 090-11W6									
4 TOTAL-DOIG	177			116		116		4277	
5 DOLCY 041-04W4									
6 TOTAL-DOLCY	180			118		118		4417	
7 DONALDA 041-18W4									
8 VIKING A							36		2462
9 VIKING C							36		6009
10 VIKING D							36		525
11 VIKING A,C & D TOTAL	600	.75	.05	427	380	47	36	1707	
12 OTHER	1756			1184	212	972		35605	
13 TOTAL-DONALDA	2356			1611	592	1019		37312	
14 DOREENLEE (SA) 043-20W4									
15 TOTAL-DOREENLEE	105			61		61		2422	
16 DORIS 063-06W5									
17 UPPER MANNVILLE A	483	.85	.05	389	8	381	37 (1)	14261	771
18 OTHER	459			337	9	328		12246	
19 TOTAL-DORIS	942			726	17	709		26507	
20 DOSBURN (SA) 001-03W4									
21 TOTAL-DOSBURN	38			27		27		1031	
22 DOUCETTE 078-02W5									
23 WABISKAW A 077-02	551	.80	.05	419		419	40	16781	2670
24 OTHER	135			86		86		3444	
25 TOTAL-DOUCETTE	686			505		505		20225	
26 DOWLING LAKE 032-15W4									
27 TOTAL-DOWLING LAKE	171			127	67	60		2285	
28 DREAU (SA) 078-21W5									
29 TOTAL-DREAU	71			50		50		1984	
30 DRIFTWOOD 077-22W4									
31 TOTAL-DRIFTWOOD	344			204		204		7559	
32 DROWNED 076-23W4									
33 TOTAL-DROWNED	468			298	141	157		5877	
34 DRUMHELLER 029-19W4									
35 MANNVILLE F SOLN	20	.65	.10	12 (2)			40		
36 MANNVILLE F ASSOC	972	.90	.10	787 (2)	269 (2)	530	40	21428	1898
37 MANNVILLE G	399	.85	.10	305	88	217	40	8773	842
38 MANNVILLE M	396	.80	.05	301	276	25	40	1011	440
39 MANNVILLE W	485	.80	.10	349	222	127	40	5135	440
40 MANNVILLE CC	668	.80	.10	481	46	435	44	19214	1914
41 LOWER MANNVILLE E ASSOC	521	.70	.10	328		328	40	13261	440
42 LOWER MANNVILLE F	459	.85	.10	351	10	341	40	13978	200
43 OTHER	4990			3273	1010	2263		91083	
44 TOTAL-DRUMHELLER	8910			6187	1921	4266		173883	
45 DUAGH (SA) 055-23W4									
46 TOTAL-DUAGH	15			10		10		374	
47 DUHAMEL 045-21W4									
48 TOTAL-DUHAMEL	1441			770	99	671		26312	
49 DUNCAN 074-15W4									
50 MCMURRAY F	986	.75	.05	702	156	546	37	20437	22792

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
1.26	.140	.55	6340	33	.903	.60	1002.5	1960	1981	PRODUCTION DECLINE	8
2.18	.200	.55	6380	33	.901	.58	1009.3	1957	1981	PRODUCTION DECLINE	9
.91	.157	.55	6340	38	.903	.59	1037.5	1960	1981	PRODUCTION DECLINE	10
								1957	1984		11
3.87	.240	.70	9000	39	.852	.64	982.4	1972	1975	PANALTA TCPL	17
3.14	.250	.80	3280	28	.944	.60	573.3	1973	1975	BER	23
						.66		1950	1984	PROGAS TCPL CONCURRENT PRODUCTION	35
3.02	.204	.75	9990	40	.819	.66	1284.3	1950	1984	PROGAS TCPL CONCURRENT PRODUCTION	36
2.80	.226	.70	9550	37	.820	.66	1208.8	1964	1983	TCPL	37
2.47	.170	.65	9380	38	.805	.67	1340.2	1969	1981	TCPL PRODUCTION DECLINE	38
4.70	.227	.70	9770	39	.810	.67	1246.0	1973	1982	TCPL MATERIAL BALANCE	39
2.64	.198	.65	9970	52	.849	.65	1305.9	1976	1983	PANALTA TCPL	40
6.10	.230	.75	9850	37	.803	.68	1326.0	1974	1983	TCPL	41
9.25	.270	.80	10140	40	.803	.70	1248.2	1977	1978	PANALTA	42
1.88	.240	.40	2410	27	.953	.57	540.7	1971	1981	KANNGAZ PANALTA	50

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 DUNCAN 074-15W4 (CONTINUED)									
2 GROSMONT B	1915	.55	.05	1000	820	180	37	6671	27886
3 OTHER	414			216	1	215		8050	
4 TOTAL-DUNCAN	3315			1918	977	941		35158	
5 DUNKIRK 090-18W4									
6 TOTAL-DUNKIRK	8			4		4		150	
7 DUNSTABLE (SA) 057-01W5									
8 TOTAL-DUNSTABLE	71			48		48		2030	
9 DUNVEGAN 081-04W6									
10 GETHING B	1275	.80	.05	969	305	664	37	25106	2484
11 GETHING C	386	.85	.05	313	10	303	37	11456	200
12 GETHING D	821	.85	.05	663	117	546	37	20644	440
13 DEBOLT A	4934	.80	.05	3750			40		11497
14 DEBOLT B	15131	.80	.05	11500			40		12988
15 DEBOLT C	12776	.80	.05	9710			40		9182
16 DEBOLT D	303	.70	.05	201			40		200
17 DEBOLT D	77	.70	.05	51			40		200
18 DEBOLT D	261	.70	.05	174			40		200
19 DEBOLT A,B,C & D TOTAL	33482	.80	.05	25386	11118	14268	40	571433	
20 OTHER	4458			3031	378	2653		103640	
21 TOTAL-DUNVEGAN	40422			30362	11928	18434		732279	
22 DUVERNAY 055-12W4									
23 VIKING A	1740	.75	.05	1240			37 (1)		39100
24 VIKING M	60	.70	.05	40			37		1780
25 VIKING A & M TOTAL	1800	.75	.05	1280	137	1143	37	42782	
26 COLONY B	1746	.60	.05	996	75	921	37	34473	4920
27 OTHER	5767			3868	398	3470		129762	
28 TOTAL-DUVERNAY	9313			6144	610	5534		207017	
29 DYBERG 044-23W4									
30 TOTAL-DYBERG	580			393		393		15621	
31 EAGLE BUTTE (SA) 007-04W4									
32 TOTAL-EAGLE BUTTE	609			434		434		16336	
33 EAGLESHAM 077-25W5									
34 DEBOLT A	513	.90	.05	440		440	40	17622	742
35 DEBOLT E	97	.75	.10	65			40		200
36 DEBOLT G	312	.90	.10	253			40		402
37 DEBOLT E & G TOTAL	409	.85	.10	318	63	255	40	10213	
38 OTHER	1450			1052	66	986		39316	
39 TOTAL-EAGLESHAM	2372			1810	129	1681		67151	
40 EAGLESHAM NORTH 078-25W5									
41 TOTAL-EAGLESHAM NORTH	145			104	65	39		1562	
42 EARRING 083-08W6									
43 TOTAL-EARRING	1473			1029		1029		39263	
44 ECONOMY (SA) 068-01W6									
45 TOTAL-ECONOMY	248			176		176		6587	
46 EDBERG 044-19W4									
47 TOTAL-EDBERG	102			66	4	62		2366	
48 EDGERTON 045-04W4									
49 TOTAL-EDGERTON	1166			784	222	562		20861	
50 EDMONTON (SA) 053-23W4									
51 TOTAL-EDMONTON	50			31		31		1311	

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10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m		fraction	kPa	°C		fraction	m				
											1
9.42	.120	.30	2050	27	.960	.57	579.7	1975	1983		2
											3
											4
											5
											6
											7
											8
											9
2.94	.241	.75	9140	41	.857	.60	919.2	1971	1981	A&S	10
12.95	.200	.80	8890	40	.865	.59	905.0	1976	1976	A&S	11
8.95	.280	.75	8940	30	.846	.60	905.9	1972	1983	A&S	12
3.37	.141	.60	13840	49	.812	.65	1440.0	1963	1984		13
7.10	.174	.60	14380	49	.808	.65	1462.2	1963	1984		14
7.21	.191	.60	15350	49	.805	.65	1497.7	1952	1984		15
8.99	.130	.75	15910	49	.808	.63	1538.2	1979	1981		16
5.73	.110	.35	15910	49	.808	.63	1546.6	1972	1981		17
8.32	.140	.65	15910	49	.815	.62	1532.2	1975	1981		18
								1963	1981	A&S	19
											20
											21
											22
.88	.242	.50	3930	18	.919	.58	454.1	1949	1984	PART OF VIK POOL NO.6	23
.95	.205	.50	3290	17	.928	.58	435.3	1972	1983	PART OF VIK POOL NO.6	24
								1949	1984	PART OF VIK POOL NO.6	25
3.92	.270	.75	4300	25	.919	.57	532.6	1972	1984	PANALTA TCPL	26
											27
											28
											29
											30
											31
											32
											33
3.35	.180	.75	14410	57	.845	.66	1368.6	1959	1973	PANALTA TCPL	34
2.74	.140	.75	15410	58	.786	.65	1412.0	1976	1982		35
3.39	.182	.80	14530	53	.807	.66	1435.7	1952	1980		36
								1952	1983	PANALTA	37
											38
											39
											40
											41
											42
											43
											44
											45
											46
											47
											48
											49
											50
											51

TABLE 4-5 (continued) RESERVES OF GAS

	POOL OR ZONE	1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
		INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	EDRA (SA) 099-24W4									
2	TOTAL-EDRA	105			70		70		2594	
3	EDSON 052-18W5									
4	CARDIUM FF	2109	.20	.10	380		380	40	15363	2884
5	VIKING A	750	.75	.10	506	506	< 1	39	-	440
6	VIKING B	4630	.60	.10	2500	487	2013	39	79111	7563
7	VIKING 054-19	469	.85	.10	359		359	39	14109	958
8	GETHING A	5804	.92	.05	5070	3316	1754	39	68932	4784
9	ROCK CREEK A	546	.90	.10	443		443	39	17410	200
10	ELKTON A							39 (1)		45364
11	SHUNDA A							39 (1)		440
12	SHUNDA B							39 (1)		440
13	ELK A-SHUN A& SHUN B TOTAL	56470	.85	.10	43200	34105	9095	39 (1)	357434	
14	OTHER	5316			3350	390	2960		117739	
15	TOTAL-EDSON	76094			55808	38804	17004		670098	
16	EDWAND 060-16W4									
17	GRAND RAPIDS A	153	.70	.05	103			37		1332
18	GRAND RAPIDS C	254	.70	.05	169			37		1616
19	GRAND RAPIDS D	14	.75	.05	10			37		167
20	GRAND RAPIDS F	28	.75	.05	20			37		444
21	GRAND RAPIDS A,C,D&F TOTAL	449	.70	.05	302	129	173	37	6475	
22	NISKU A	583	.60	.05	333	95	238	37	8908	1072
23	NISKU D	1240	.60	.05	707	243	464	37	17368	1783
24	OTHER	3473			2288	518	1770		66104	
25	TOTAL-EDWAND	5745			3630	985	2645		98855	
26	ELIZA 055-08W4									
27	TOTAL-ELIZA	504			336		336		12612	
28	ELK POINT 056-06W4									
29	TOTAL-ELK POINT	422			273	128	145		5373	
30	ELKWATER (SA) 008-03W4									
31	TOTAL-ELKWATER	17			10		10		389	
32	ELLERSLIE 051-24W4									
33	TOTAL-ELLERSLIE	66			42	42				
34	ELLSCOTT 064-21W4									
35	TOTAL-ELLSCOTT	258			176	10	166		6153	
36	ELMWORTH 070-11W6									
37	CADOTTE A	3214	.60	.05	1720	107	1613	39	63391	6220
38	CADOTTE C	769	.60	.05	429	2	427	39	16781	2653
39	FALHER A-12	600	.75	.10	405	220	185	39	7271	1879
40	FALHER A-2	1300	.85	.05	1050			39		18372
41	FALHER A-4	247	.75	.05	176			39		2479
42	FALHER A-10	6217	.85	.05	5020			39		18834
43	FALHER B-1	3158	.85	.05	2550			39		10909
44	FALHER C-2	45	.75	.05	32			39		200
45	FALHER C-3	36	.75	.10	24			39		200
46	FALHER A2,4,10,B1C2&3 TOTAL	11003	.85	.05	8852	2531	6321	39	248415	
47	FALHER A-1	8087	.85	.05	6530			39		32956
48	FALHER A-5	378	.85	.05	306			39		2297
49	FALHER A-7	413	.85	.05	334			39		3567
50	FALHER A-8	622	.80	.05	473			39		440
51	FALHER A-9	73	.75	.05	52			39		440
52	FALHER A-11	12	.75	.05	9			43		887
53	FALHER B-3	4780	.85	.05	3860			39		10701
54	FALHER B-4	552	.85	.05	446			39		3760

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction	fraction	kPa	°C	fraction	fraction	m				
											1
											2
											3
4.61	.114	.70	19840	74	.818	.71	2152.4	1976	1984	TCPL PANALTA PART OF CARD POOL NO.1	4
3.70	.130	.60	39210	83	1.042	.65	2802.9	1974	1983	TCPL MATERIAL BALANCE	5
2.75	.138	.80	22150	84	.875	.66	2516.4	1973	1983	PANALTA TCPL	6
2.85	.120	.80	21550	103	.911	.63	2461.0	1966	1982	TCPL	7
7.81	.098	.75	23150	83	.877	.68	2545.1	1963	1977	TCPL	8
11.00	.110	.75	37500	76	1.015	.66	2904.1	1977	1983	TCPL	9
6.25	.104	.90	26600	102	.948	.65	2840.1	1962	1984	PRODUCTION DECLINE	10
4.88	.034	.75	26790	109	.960	.65	2982.0	1964	1981	PRODUCTION DECLINE	11
4.88	.040	.80	26810	103	.953	.65	3027.7	1964	1981	PRODUCTION DECLINE	12
								1962	1981	TCPL	13
											14
											15
											16
1.51	.325	.60	3740	22	.924	.58	531.2	1951	1982		17
2.28	.300	.60	3690	22	.927	.57	528.2	1951	1982		18
1.11	.300	.65	3790	30	.931	.59	536.8	1951	1976		19
.83	.300	.65	3790	30	.923	.60	539.2	1952	1976		20
								1951	1977	PROGAS TCPL	21
3.43	.160	.75	3440	23	.934	.56	647.6	1972	1983	TCPL PRODUCTION DECLINE	22
16.70	.153	.80	3430	23	.936	.57	664.7	1972	1983	TCPL MATERIAL BALANCE	23
											24
											25
											26
											27
											28
											29
											30
											31
											32
											33
											34
											35
											36
4.23	.094	.65	12870	64	.858	.62	1853.4	1970	1982	PANALTA TCPL	37
2.89	.106	.70	12160	64	.862	.62	1658.9	1978	1983	PANALTA TCPL PROGAS	38
.60	.041	.40	14590	83	.868	.65	2041.3	1977	1984	TCPL PRODUCTION DECLINE	39
2.13	.044	.50	15400	71	.843	.65	2138.3	1977	1982		40
2.06	.058	.55	15470	71	.842	.65	2074.6	1978	1980		41
4.96	.070	.65	15030	72	.847	.65	2064.0	1977	1982		42
4.40	.081	.60	13920	69	.855	.63	1917.0	1955	1982		43
3.09	.080	.60	15570	71	.846	.64	2034.0	1977	1980		44
1.50	.080	.70	22750	85	.845	.72	2103.8	1978	1980		45
								1955	1982	PANALTA PROGAS TCPL	46
4.26	.066	.60	14840	71	.844	.65	1954.9	1970	1983		47
1.73	.094	.70	14800	71	.844	.65	1963.5	1976	1980		48
2.05	.065	.60	14090	64	.822	.68	1930.7	1970	1980		49
16.50	.090	.65	15165	78	.839	.67	1940.1	1976	1980		50
4.60	.040	.65	14710	73	.868	.75	1757.0	1978	1980		51
.50	.042	.45	14980	71	.834	.68	2003.2	1978	1980		52
6.87	.076	.65	13550	69	.856	.63	1858.1	1978	1982		53
4.09	.049	.55	13700	69	.855	.63	2000.6	1976	1983		54

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 ELMWORTH 070-11W6 (CONTINUED)									
2 FALHER B-5	16	.75	.05	11			39		128
3 FALHER B-7	42	.75	.05	30			39		200
4 FALHER B-8	330	.85	.05	267			39		1964
5 FALHER D-2	726	.85	.05	586			39		3110
6 FALH A1579,1183578D2 TOTAL	16031	.85	.05	12904	3093	9811	39	388810	
7 FALHER B-2	1276	.85	.05	1030	206	824	39	32383	1971
8 FALHER B-9	1127	.85	.05	910	276	634	39	24916	4978
9 FALHER B-10	720	.85	.05	582	29	553	39	21733	4277
10 FALHER B-12	654	.85	.05	528	363	165	39	6485	1597
11 FALH A TIGHT SD070-11	16541	.35	.05	5500		5500	39	216150	57037
12 FALH B TIGHT SD070-11	8421	.50	.05	4000		4000	39	157200	31903
13 CADOMIN A	7247	.70	.05	4820	28	4792	37	179365	25730
14 HALFWAY A	663	.70	.25	348		348	38	13304	1058
15 OTHER	10731			7385	320	7065		276415	
16 TOTAL-ELMWORTH	78997			49413	7175	42238		1652619	
17 ELNORA 035-22W4									
18 UPPER MANNVILLE A	557	.75	.05	397	261	136	41	5600	3654
19 LOWER MANNVILLE A	730	.90	.10	592	179	413	41	17007	2853
20 OTHER	835			531	20	511		20878	
21 TOTAL-ELNORA	2122			1520	460	1060		43485	
22 ELTHAM (SA) 018-26W4									
23 TOTAL-ELTHAM	23			11		11		412	
24 EMPRESS 024-02W4									
25 TOTAL-EMPRESS	111			75		75		2807	
26 ENCHANT 014-16W4									
27 BASAL COLORADO A	780	.85	.05	630	469	161	37	6026	4363
28 UPPER MANNVILLE E	682	.85	.05	551	5	546	37 (1)	20437	3710
29 UPPER MANNVILLE L	482	.90	.05	412	5	407	37	15234	1830
30 OTHER	5401			3814	1206	2608		98280	
31 TOTAL-ENCHANT	7345			5407	1685	3722		139977	
32 ENDIANG 035-16W4									
33 TOTAL-ENDIANG	701			474	69	405		16679	
34 ENDONA (SA) 006-09W4									
35 TOTAL-ENDONA	23			16		16		605	
36 ENTICE 028-24W4									
37 BELLY RIVER B	693	.60	.05	395	311	84	36	3050	2731
38 BELLY RIVER K	667	.60	.05	380	280	100	36	3631	4573
39 OTHER	1603			822	437	385		14019	
40 TOTAL-ENTICE	2963			1597	1028	569		20700	
41 ERITH 048-17W5									
42 TOTAL-ERITH	448			327		327		13220	
43 ERSKINE 039-21W4									
44 BLAIRMORE							40		433
45 BLAIRMORE							40		934
46 BLAIRMORE TOTAL	1175	.80	.10	846	617	229	40	9343	
47 D-3 SOLN	537	.65	.50	174 (2)			41		
48 D-3 ASSOC	861	.85	.20	586 (2)	339 (2)	421	41	17493	1115
49 OTHER	3936			2576	461	2115		85935	
50 TOTAL-ERSKINE	6509			4182	1417	2765		112771	
51 ESMOND (SA) 126-20W5									
52 TOTAL-ESMOND	11			8		8		299	
53 ESTHER 031-02W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
2.02	.061	.70	15120	81	.844	.67	1996.0	1979	1982		2
2.93	.070	.70	15770	81	.860	.65	2007.7	1977	1980		3
2.70	.067	.60	15800	69	.848	.63	2062.7	1977	1982		4
2.61	.077	.60	19990	71	.854	.64	2006.7	1976	1980		5
								1955	1984	PANALTA PROGAS TCPL	6
5.27	.118	.70	15150	69	.847	.63	1874.8	1977	1982	TCPL	7
4.05	.062	.60	15290	69	.846	.63	2125.2	1978	1982	TCPL	8
3.92	.055	.50	15930	69	.848	.63	2164.3	1978	1982	TCPL	9
5.38	.078	.65	15320	69	.848	.63	1883.4	1979	1982	TCPL	10
4.02	.082	.60	14970	71	.844	.65	2025.2	1955	1982	PANALTA PROGAS TCPL	11
4.33	.077	.55	14750	69	.852	.63	1871.4	1955	1982	PANALTA PROGAS TCPL	12
4.88	.050	.60	18810	88	.912	.74	2538.6	1956	1982	PANALTA PROGAS TCPL PART OF CDM POOL NO.1	13
4.73	.080	.65	29750	89	.918	.70	2642.0	1978	1980	PANALTA TCPL BER	14
											15
											16
											17
1.41	.186	.70	8200	48	.875	.64	1537.2	1969	1982	CNG KANNGAZ TCPL	18
2.40	.177	.65	8860	49	.846	.68	1539.8	1969	1973	CNG TCPL	19
											20
											21
											22
											23
											24
											25
											26
1.47	.200	.70	8800	30	.833	.65	872.3	1968	1982	TCPL MATERIAL BALANCE	27
1.25	.200	.60	10820	32	.823	.63	999.7	1966	1982	PANALTA PROGAS TCPL	28
1.85	.197	.60	10830	33	.835	.62	986.2	1966	1982	TCPL	29
											30
											31
											32
											33
											34
											35
											36
5.43	.230	.50	2960	30	.948	.58	786.4	1969	1984	CWNG CWNGNUL MATERIAL BALANCE	37
2.23	.216	.60	3240	29	.941	.57	831.5	1972	1983	CWNGNUL PRODUCTION DECLINE	38
											39
											40
											41
											42
											43
2.87	.130	.60	9650	55	.858	.67	1353.3	1952	1980	PRODUCTION DECLINE	44
6.47	.130	.60	9650	21	.765	.67	595.0	1952	1981	PRODUCTION DECLINE	45
								1952	1981	TCPL	46
						.75		1952	1984	TCPL CONCURRENT PRODUCTION	47
9.48	.063	.80	15340	60	.810	.75	1631.6	1952	1984	TCPL CONCURRENT PRODUCTION	48
											49
											50
											51
											52
											53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 ESTHER 031-02W4 (CONTINUED)									
2 VIKING A ASSOC	1566	.80	.05	1190	4	1186	38	45281	10197
3 UPPER MANNVILLE A	618	.80	.05	469	159	310	37	11721	1976
4 UPPER MANNVILLE E	372	.85	.05	300	187	113	37	4230	1956
5 BANFF A	850	.90	.05	727	676	51	37	1909	200
6 OTHER	1747			1208	331	877		32810	
7 TOTAL-ESTHER	5153			3894	1357	2537		95951	
8 ESTUARY 023-22W4									
9 TOTAL-ESTUARY	695			467	18	449		16968	
10 ETHEL LAKE 064-03W4									
11 TOTAL-ETHEL LAKE	370			196	165	31		1161	
12 ETZIKOM 006-08W4									
13 BOW ISLAND A	1913	.75	.05	1350	1264	86	34	2994	10266
14 OTHER	133			90		90		3334	
15 TOTAL-ETZIKOM	2046			1440	1264	176		6328	
16 EUREKA (SA) 088-03W6									
17 TOTAL-EUREKA	95			58		58		2171	
18 EVANSBURG (SA) 053-07W5									
19 TOTAL-EVANSBURG	184			131		131		5541	
20 EVERGREEN (SA) 113-23W5									
21 TOTAL-EVERGREEN	11			6		6		236	
22 EWING LAKE 037-21W4									
23 TOTAL-EWING LAKE	59			29		29		1085	
24 EXCELSIOR 056-24W4									
25 MANNVILLE A SOLN	54	.65	.35	23 (2)			36		
26 MANNVILLE A ASSOC	764	.80	.10	549 (2)	214 (2)	358	36	12999	804
27 OTHER	849			584	102	482		17551	
28 TOTAL-EXCELSIOR	1667			1156	316	840		30550	
29 EXPANSE (SA) 088-04W6									
30 TOTAL-EXPANSE	121			80		80		3157	
31 EYEHILL 041-06W4									
32 TOTAL-EYEHILL	166			106		106		3968	
33 EYREMORE 018-18W4									
34 BOW ISLAND A	658	.80	.05	500	64	436	37	16485	2802
35 OTHER	999			685	33	652		24622	
36 TOTAL-EYREMORE	1657			1185	97	1088		41107	
37 FAIRYDELL BON ACCORD 057-24W4									
38 UPPER VIKING A	1097	.95	.04	1000			38		12142
39 MIDDLE VIKING A	3070	.95	.04	2800			38		9921
40 MIDDLE VIKING B	560	.95	.04	511			39		1865
41 U VIK A & M VIK AB TOTAL	4727	.95	.05	4311	3263	1048	38	40799	
42									
43 BASAL MANNVILLE A ASSOC	520	.90	.05	445	100	345	37	12786	1083
44 BASAL MANNVILLE C SOLN	47	.65	.05	29 (2)			37		
45 BASAL MANNVILLE C ASSOC	437	.90	.10	355 (2)	317 (2)	67	37	2483	598
46 OTHER	795			536	36	500		18748	
47 TOTAL-FAIRYDELL BON ACCORD	6526			5676	3716	1960		74816	
48 FAITH (SA) 003-12W4									
49 TOTAL-FAITH	140			100		100		4305	
50 FALLIS (SA) 053-05W5									
51 TOTAL-FALLIS	48			34		34		1425	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa*	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
1.73	.219	.55	6650	24	.864	.62	699.7	1960	1984	KANNGAZ MIP	2
2.05	.270	.70	7450	27	.875	.59	752.6	1969	1984	MIP	3
1.33	.250	.65	7450	25	.860	.60	744.6	1972	1983	MIP MATERIAL BALANCE CONCURRENT PRODUCTION	4
10.49	.190	.70	8100	33	.870	.60	851.6	1957	1983	MATERIAL BALANCE	5
											6
											7
											8
											9
											10
											11
											12
3.05	.196	.65	5550	25	.909	.60	680.6	1951	1967	PWGE MATERIAL BALANCE	13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
						.63		1949	1978	CWNGNUL NORCEN CONCURRENT PRODUCTION	25
8.98	.200	.65	7580	33	.868	.63	1062.2	1949	1978	CWNGNUL NORCEN CONCURRENT PRODUCTION	26
											27
											28
											29
											30
											31
											32
											33
2.79	.200	.50	7830	29	.876	.58	955.8	1953	1982	PANALTA TCPL	34
											35
											36
											37
1.46	.240	.50	5110	37	.909	.60	802.8	1947	1984	PART OF VIK POOL NO.1	38
3.23	.200	.60	5820	36	.901	.59	816.4	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE	39
2.79	.200	.60	5820	37	.897	.61	779.0	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE	40
								1947	1984	CWNGNUL KANNGAZ NORCEN PART OF VIK POOL	41
										NO.1	42
5.39	.180	.70	7070	43	.866	.63	1028.7	1951	1984	NUL CWNGNUL	43
						.64		1965	1982	NORCEN CONCURRENT PRODUCTION	44
6.64	.210	.70	7310	42	.882	.64	1058.0	1965	1982	NORCEN CONCURRENT PRODUCTION	45
											46
											47
											48
											49
											50
											51

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 FARMINGTON 080-11W6									
2 KISKATINAW A	785	.85	.05	634	89	545	38	20808	200
3 OTHER	168			118		118		4528	
4 TOTAL-FARMINGTON	953			752	89	663		25336	
5 FARRELL 034-16W4									
6 TOTAL-FARRELL	295			204	63	141		5278	
7 FARROW 020-24W4									
8 TOTAL-FARROW	144			97		97		3580	
9 FAWCETT (SA) 075-21W4									
10 TOTAL-FAWCETT	35			19		19		697	
11 FENN WEST 036-20W4									
12 TOTAL-FENN WEST	1437			910	73	837		35132	
13 FENN-BIG VALLEY 035-20W4									
14 VIKING B	685	.80	.10	493	367	126	43	5424	7661
15									
16 D-2 A ASSOC	50	.75	.30	26			41 (1)		65
17 D-2 A SOLN	5790	.70	.55	1824			41 (1)		
18 D-2 A ASSOC	28	.75	.30	15			41 (1)		78
19 D-2 A ASSOC	35	.75	.30	19			41 (1)		53
20 D-2 A ASSOC	254	.75	.30	133			41 (1)		190
21 D-2 A ASSOC	135	.75	.30	71			41 (1)		199
22 D-2 A TOTAL	6292	.70	.55	2088	1219	869	41 (1)	36107	
23 OTHER	1544			848	157	691		28363	
24 TOTAL-FENN-BIG VALLEY	8521			3429	1743	1686		69894	
25 FENNER 032-14W4									
26 TOTAL-FENNER	59			39		39		1489	
27 FERGUSON 003-17W4									
28 TOTAL-FERGUSON	38			27		27		1162	
29 FERINTOSH 044-21W4									
30 TOTAL-FERINTOSH	715			427	157	270		11327	
31 FERRIER 039-08W5									
32 CARDIUM D ASSOC							40 (1)		1992
33 CARDIUM D SOLN	3042	.77	.15	1991 (2)			40 (1)		
34 CARDIUM D ASSOC							40 (1)		1710
35 CARDIUM D ASSOC							40 (1)		508
36 CARDIUM D ASSOC							40 (1)		1266
37 CARDIUM D TOTAL	7356	.80	.10	5291 (2)	2919 (2)	2372	40 (1)	95900	
38 CARDIUM E SOLN	6098	.16	.15	829 (2)			40 (1)		
39 CARDIUM E ASSOC	6074	.90	.10	4920 (2)			40 (1)		5054
40 CARDIUM E ASSOC	5790	.90	.10	4690 (2)			40		4517
41 CARDIUM E TOTAL	17962	.65	.10	10439 (2)	6972 (2)	3467	40	140171	
42 CARDIUM G ASSOC	6	.75	.10	4			40 (1)		87
43 CARDIUM G ASSOC	66	.75	.10	45			40 (1)		232
44 CARDIUM G & L SOLN	4408	.33	.20	1164			40		
45 CARDIUM G & L TOTAL	4480	.35	.20	1213	432	781	40	31576	
46 CARDIUM Q	993	.90	.10	804			40		1630
47 CARDIUM Z	321	.85	.10	246			40 (1)		1314
48 CARDIUM Q & Z TOTAL	1314	.90	.10	1050	83	967	40	39096	
49 CARDIUM N SOLN	786	.65	.15	434 (2)			40		
50 CARDIUM N ASSOC	360	.85	.10	275 (2)			40		440
51 CARDIUM B+N & VIK A TOTAL	1146	.70	.15	709 (2)	498 (2)	211	40 (1)	8531	
52 GLAUC 21-040-07	367	.90	.05	313		313	41	12889	200
53 OTHER	6126			4033	179	3854		154067	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
20.35	.170	.70	18000	81	.891	.59	2313.8	1977	1978	PANALTA	2
											3
											4
											5
											6
											7
											8
											9
											10
											11
											12
											13
1.50	.140	.55	7240	38	.856	.66	1182.0	1952	1982	CWNGNUL KANNGAZ PANALTA TCPL PART OF VIK	14
										POOL NO.4	15
4.48	.118	.85	12750	48	.660	.96	1597.1	1950	1984		16
						.96		1950	1984		17
2.09	.118	.85	12750	48	.660	.96	1573.6	1950	1984		18
3.89	.118	.85	12750	48	.660	.96	1596.7	1950	1984		19
7.79	.118	.85	12750	48	.660	.96	1588.4	1950	1984		20
3.96	.118	.85	12750	48	.660	.96	1578.1	1950	1984		21
								1950	1984	CWNGNUL	22
											23
											24
											25
											26
											27
											28
											29
											30
											31
2.06	.157	.90	21820	70	.832	.71	2072.9	1963	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION	32
						.71		1963	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION	33
1.81	.177	.90	21820	70	.832	.71	2037.0	1963	1984	PRODUCTION DECLINE	34
.88	.157	.90	21820	70	.832	.71	2047.5	1963	1984	PRODUCTION DECLINE	35
1.55	.104	.75	21820	70	.832	.71	2027.7	1963	1984	PRODUCTION DECLINE	36
								1963	1982	A&S TCPL CONCURRENT PRODUCTION	37
						.75		1965	1984	CONCURRENT PRODUCTION	38
3.60	.159	.90	21820	65	.787	.75	2065.8	1965	1984	CONCURRENT PRODUCTION	39
3.84	.159	.90	21820	65	.787	.75	2058.9	1965	1984		40
								1965	1984	A&S TCPL CONCURRENT PRODUCTION	41
.49	.090	.70	21170	60	.817	.71	2057.7	1967	1984		42
.87	.164	.90	21170	60	.817	.71	2057.7	1967	1984		43
						.68		1973	1984		44
								1967	1984	A&S TCPL CNG	45
2.86	.125	.80	22000	73	.849	.68	2247.1	1969	1984		46
1.84	.065	.90	22570	62	.843	.69	2303.7	1975	1983		47
						.68		1969	1984	PANALTA PROGAS TCPL	48
						.70		1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION	49
2.78	.074	.90	22340	83	.851	.70	2232.4	1955	1984	PRODUCTION DECLINE CONCURRENT PRODUCTION	50
								1955	1984	CONCURRENT PRODUCTION	51
6.00	.180	.75	24300	66	.901	.64	2473.5	1982	1982		52
											53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 FERRIER 039-08W5 (CONTINUED)									
2 TOTAL-FERRIER	38751			23048	11083	11965		482230	
3 FERRYBANK 044-27W4									
4 BELLY RIVER C	2256	.70	.05	1500	549	951	40 (1)	38088	8570
5 VIKING A	906	.60	.05	517	97	420	39	16506	8392
6 GLAUCONITIC A	2298	.85	.15	1660	225	1435	45	64733	3349
7 LOWER MANNVILLE F ASSOC	432	.85	.10	330	203	127	38	4849	502
8 LOWER MANNVILLE I ASSOC	554	.80	.10	399		399	38	15234	477
9 LOWER MANNVILLE A&B	765	.90	.10	620			38		1257
10 LOWER MANNVILLE A & B TOTAL	765	.90	.10	620	500	120	38	4582	
11 OTHER	2913			2037	554	1483		58961	
12 TOTAL-FERRYBANK	10124			7063	2128	4935		202953	
13 FICKLE 051-19W5									
14 ELKTON 26-051-19	625	.85	.10	478		478	39	18785	440
15 ELKTON 33-051-19	648	.80	.10	468		468	39	18392	440
16 OTHER	1054			738		738		29381	
17 TOTAL-FICKLE	2327			1684		1684		66558	
18 FIGURE LAKE 063-18W4									
19 UPPER MANNVILLE B							37		200
20 D-2 B							37 (1)		7481
21 UPPER MANN B & D-2 B TOTAL	2014	.60	.05	1160	1129	31	37	1160	
22 OTHER	2596			1662	420	1242		46313	
23 TOTAL-FIGURE LAKE	4610			2822	1549	1273		47473	
24 FINDLEY 057-06W6									
25 TOTAL-FINDLEY	1212			908		908		36125	
26 FIR 058-21W5									
27 DUNVEGAN 07-060-22	623	.90	.05	533		533	37	19950	200
28 GETHING A	1064	.75	.10	718		718	37	26875	2443
29 NORDEGG 04-057-20	675	.85	.15	488		488	43	21189	200
30 TRIASSIC C	9974	.80	.06	7500	1681	5819	43	252661	22527
31 D-3 A	2222	.45	.25	750		750	37	28073	791
32 LEDUC 25-058-21	571	.85	.05	461		461	37	17255	200
33 OTHER	2897			1886		1886		72747	
34 TOTAL-FIR	18026			12336	1681	10655		438750	
35 FIRE 113-07W6									
36 TOTAL-FIRE	338			224	4	220		8965	
37 FISHER 068-05W4									
38 TOTAL-FISHER	958			483	12	471		17662	
39 FISHING (SA) 057-01W4									
40 TOTAL-FISHING	52			32		32		1195	
41 FLAT 066-20W4									
42 MANNVILLE A	615	.85	.05	497	327	170	38	6491	5340
43 WABAMUN A	3583	.90	.02	3160	2004	1156	37 (1)	42841	8290
44 OTHER	1408			933	162	771		29439	
45 TOTAL-FLAT	5606			4590	2493	2097		78771	
46 FLOOD 085-25W5									
47 TOTAL-FLOOD	315			198	23	175		6419	
48 FLORENCE (SA) 068-04W5									
49 TOTAL-FLORENCE	19			11		11		441	
50 FLUME 062-05W5									
51 TOTAL-FLUME	50			36		36		1347	
52 FOREMOST 006-11W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
4.03	.217	.55	5370	35	.906	.60	901.4	1955	1983	PANALTA TCPL	4
1.89	.126	.55	8060	45	.874	.62	1443.8	1955	1981	PANALTA TCPL	5
7.15	.115	.60	11960	48	.762	.70	1566.3	1954	1983	PANALTA TCPL PART OF GLAUC POOL NO.3	6
2.39	.160	.80	12710	45	.754	.70	1587.7	1970	1984	PANALTA PWGE TCPL MATERIAL BALANCE	7
6.89	.189	.70	12490	65	.825	.69	1660.7	1981	1984		8
4.37	.204	.75	13340	63	.795	.73	1720.8	1971	1984	MATERIAL BALANCE	9
								1971	1984	PANALTA TCPL	10
											11
											12
											13
9.40	.075	.89	27510	100	.938	.63	3085.2	1964	1966	TCPL BER	14
7.35	.104	.89	26750	106	.938	.63	3140.7	1953	1981	BER	15
											16
											17
											18
4.94	.250	.65	3380	20	.932	.57	530.0	1958	1984	PRODUCTION DECLINE	19
6.53	.151	.60	3540	24	.934	.57	680.0	1955	1984	PRODUCTION DECLINE	20
								1955	1984	TCPL	21
											22
											23
											24
											25
											26
10.80	.165	.85	21510	76	.852	.69	2128.7	1976	1978		27
3.52	.103	.75	18130	92	.882	.66	2642.9	1972	1981	A&S PROGAS TCPL	28
16.60	.120	.85	21650	81	.873	.71	2735.7	1980	1980	A&S PROGAS	29
2.28	.106	.75	22940	100	.928	.62	2660.0	1972	1984	A&S PROGAS TCPL MATERIAL BALANCE	30
18.69	.066	.85	30710	117	.948	.71	3352.5	1974	1982	PROGAS TCPL	31
13.82	.100	.85	31540	97	.998	.58	3367.1	1980	1982		32
											33
											34
											35
											36
											37
											38
											39
											40
											41
3.00	.120	.50	3340	27	.937	.57	570.0	1949	1982	TCPL MATERIAL BALANCE	42
13.35	.226	.40	3380	21	.933	.58	565.7	1956	1982	TCPL MATERIAL BALANCE	43
											44
											45
											46
											47
											48
											49
											50
											51
											52

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	FOREMOST 006-11W4 (CONTINUED)									
2	BOW ISLAND	566	.93	.05	501	416	85	35 (1)	3055	6038
3	OTHER	165			109	3	106		3809	
4	TOTAL-FOREMOST	731			610	419	191		6864	
5	FORESTBURG 042-15W4									
6	TOTAL-FORESTBURG	2842			1840	88	1752		65574	
7	FORSYTH 062-06W4									
8	TOTAL-FORSYTH	851			546	20	526		19838	
9	FORT ASSINIBOINE 062-04W5									
10	TOTAL-FORT ASSINIBOINE	396			273		273		10864	
11	FORT KENT 061-04W4									
12	TOTAL-FORT KENT	698			402	314	88		3231	
13	FORT SASKATCHEWAN 054-22W4									
14	U VIK A & M VIK A	9096	.85	.03	7500			37 (1)		
15	U VIK A & M VIK A TOTAL	9096	.85	.05	7500	7215	285	37 (1)	10776	
16										
17	OTHER	297			183	2	181		6836	
18	TOTAL-FORT SASKATCHEWAN	9393			7683	7217	466		17612	
19	FORTY MILE 007-09W4									
20	LOWER MANNVILLE E	1754	.90	.05	1500	633	867	37	32781	6729
21	OTHER	725			514	44	470		17235	
22	TOTAL-FORTY MILE	2479			2014	677	1337		50016	
23	FOSTER (SA) 033-27W4									
24	TOTAL-FOSTER	81			54		54		2224	
25	FOURTH 082-09W6									
26	TOTAL-FOURTH	491			341		341		14650	
27	FOX CREEK 061-18W5									
28	VIKING A	3770	.80	.10	2700	1989	711	41	29542	8296
29	VIKING B	424	.80	.10	305	234	71	41	2950	200
30	GETHING A ASSOC	4772	.75	.05	3400	247	3153	41	129841	10548
31	OTHER	3429			1952	334	1618		66652	
32	TOTAL-FOX CREEK	12395			8357	2804	5553		228985	
33	FRANCIS 073-22W4									
34	WABAMUN A	518	.65	.05	320		320	36	11738	440
35	OTHER	216			124		124		4628	
36	TOTAL-FRANCIS	734			444		444		16366	
37	FRANCIS SOUTH 072-21W4									
38	TOTAL-FRANCIS SOUTH	40			22		22		824	
39	FREEMAN (SA) 066-12W5									
40	TOTAL-FREEMAN	34			23		23		904	
41	FRENCH (SA) 064-01W5									
42	TOTAL-FRENCH	158			113		113		4399	
43	FURNESS (SA) 048-23W4									
44	TOTAL-FURNESS	99			69		69		2764	
45	GADSBY 038-18W4									
46	BELLY RIVER C	654	.65	.05	404		404	38	15728	3050
47	OTHER	558			372	75	297		12476	
48	TOTAL-GADSBY	1212			776	75	701		28204	
49	GAGE 082-03W6									
50	TOTAL-GAGE	767			529		529		20269	

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.52	.200	.80	4830	27	.915	.59	692.5	1923	1981	CWNG CWNGNUL CMG MATERIAL BALANCE
	.210	.60	5550	33	.901	.60	780.9	1971	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL KANNGAZ NORCEN PART OF VIK POOL NO.2
2.00	.195	.60	10100	30	.851	.58	933.7	1965	1983	CWNGNUL PANALTA TCPL
3.43	.145	.60	10170	60	.848	.67	1714.8	1957	1980	A&S MATERIAL BALANCE
2.74	.145	.60	10046	52	.837	.66	1784.4	1967	1980	A&S MATERIAL BALANCE
4.09	.150	.55	13770	69	.854	.63	1920.3	1957	1982	A&S PANALTA PROGAS TCPL
23.75	.250	.80	2420	20	.948	.56	548.6	1965	1983	PANALTA BER
4.61	.232	.65	3020	22	.944	.57	628.0	1981	1984	

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4		5		6	7		8	9
		RAW GAS			MARKETABLE GAS								
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES		NET CUMULATIVE PRODUCTION		REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE		REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction		$10^6 m^3$					MJ/m^3		TJ	ha
1	GALAHAD 040-15W4												
2	TOTAL-GALAHAD	721			477				477			17950	
3	GALLOWAY 053-20W5												
4	TOTAL-GALLOWAY	2224			851		51		800			31675	
5	GAMBLER 070-21W4												
6	TOTAL-GAMBLER	937			556		112		444			16568	
7	GARDEN PLAINS 033-13W4												
8	TOTAL-GARDEN PLAINS	528			359		133		226			8625	
9	GARRINGTON 034-04W5												
10	CARDIUM A & B SOLN	5600	.10	.45	308					37			
11	CARDIUM A+B TOTAL	5600	.10	.45	308		38		270	37		10209	
12	VIKING A ASSOC	699	.70	.10	441					40			5367
13	VIKING A SOLN	599	.65	.15	331					40			
14	VIKING A ASSOC	68	.60	.10	37					40			200
15	VIKING A ASSOC	41	.55	.10	20					40			200
16	VIKING A ASSOC	56	.55	.10	28					40			200
17	VIKING A ASSOC	49	.55	.10	24					40			200
18	VIKING A TOTAL	1512	.65	.10	881		25		856	40		34609	
19	MANNVILLE B SOLN	3742	.65	.25	1824		1805		19	37		718	
20	MANNVILLE D SOLN	128	.65	.45	46	(2)				37			
21	MANNVILLE D ASSOC	872	.80	.10	628	(2)	137	(2)	537	37		20304	2513
22	GLAUCONITIC 33-036-05	450	.80	.15	306				306	37		11570	200
23	LOWER MANNVILLE H	515	.90	.10	417		39		378	37		14292	1762
24	BASAL QUARTZ 29-036-05	565	.85	.10	432				432	37		16334	200
25	WABAMUN A SOLN	1753	.65	.33	764	(2)				37	(1)		
26	WABAMUN A ASSOC	8709	.85	.33	4960	(2)	3939	(2)	1785	37	(1)	67491	12637
27	LEDUC C	510	.85	.25	324		3		321	42		13697	200
28	OTHER	6859			4745		301		4444			170930	
29	TOTAL-GARRINGTON	31215			15635		6287		9348			360154	
30	GARTH (SA) 064-06W4												
31	TOTAL-GARTH	126			68				68			2546	
32	GARTLEY 031-18W4												
33	TOTAL-GARTLEY	477			309		21		288			10996	
34	GATOR 118-03W6												
35	TOTAL-GATOR	113			73				73			2869	
36	GAYFORD 026-25W4												
37	TOTAL-GAYFORD	980			586		152		434			16239	
38	GEDEON (SA) 055-07W4												
39	TOTAL-GEDEON	51			30				30			1123	
40	GENESEE 050-03W5												
41	TOTAL-GENESEE	526			367				367			14281	
42	GEORGE 082-05W6												
43	KISKATINAW D	785	.85	.10	600		248		352	40		14098	2317
44	OTHER	930			644		25		619			23682	
45	TOTAL-GEORGE	1715			1244		273		971			37780	
46	GERMAIN (SA) 085-22W4												
47	TOTAL-GERMAIN	27			12				12			440	
48	GHOST PINE 031-22W4												
49	VIKING D	1001	.70	.10	631		101		530	38		20235	3804
50	UPPER MANNVILLE Q SOLN	20	.65	.10	12	(2)				42			
51	UPPER MANNVILLE Q ASSOC	3353	.93	.05	2960	(2)	300	(2)	2672	42		113026	4254

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
											6
											7
											8
											9
								1954	1984		10
								1954	1984	A&S PROGAS TCPL PANALTA	11
2.58	.087	.65	8920	58	.858	.67	1993.8	1977	1984		12
						.67		1977	1984		13
8.06	.088	.55	8920	63	.864	.67	2133.3	1977	1984	ASSIGNED WELL: 14-32-34-3 W5M	14
4.70	.090	.65	7660	61	.876	.67	2130.0	1977	1984	ASSIGNED WELL 06-30-035-03 W5M	15
5.99	.085	.75	7660	65	.883	.67	2170.9	1977	1984	ASSIGNED WELL 10-13-035-04 W5M	16
6.57	.078	.65	7660	64	.880	.67	2149.8	1977	1984	ASSIGNED WELL 01-25-035-04 W5M	17
								1977	1984	A&S	18
								1963	1982	A&S CWNGNUL TCPL	19
						.72		1968	1984	PANALTA PROGAS TCPL CONCURRENT PRODUCTION	20
1.75	.114	.75	24600	78	.859	.72	2473.3	1968	1984	PANALTA PROGAS TCPL CONCURRENT PRODUCTION	21
9.75	.128	.85	21200	79	.808	.76	2525.0	1979	1982	PROGAS	22
1.31	.109	.80	27500	72	.886	.69	2449.3	1974	1982	PANALTA TCPL	23
14.63	.100	.85	24118	76	.865	.70	2563.4	1978	1979		24
						.76		1952	1981	MATERIAL BALANCE CONCURRENT PRODUCTION	25
8.22	.048	.80	24720	74	.838	.76	2644.4	1952	1981	MATERIAL BALANCE CONCURRENT PRODUCTION	26
26.21	.048	.85	25510	88	.845	.87	3006.5	1956	1973	TCPL	27
											28
											29
											30
											31
											32
											33
											34
											35
											36
											37
											38
											39
											40
											41
											42
2.10	.143	.75	14630	61	.828	.65	1460.8	1973	1982	TCPL	43
											44
											45
											46
											47
											48
2.09	.210	.70	8020	41	.848	.65	1349.8	1964	1984	A&S TCPL PART OF VIK POOL NO.3	49
						.67		1954	1984	TCPL CONCURRENT PRODUCTION	50
5.39	.207	.65	10340	55	.828	.67	1456.2	1954	1984	TCPL CONCURRENT PRODUCTION	51

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 GHOST PINE 031-22W4 (CONTINUED)									
2 UPPER MANNVILLE V SOLN	156	.60	.10	84 (2)			42		
3 UPPER MANNVILLE V ASSOC	296	.80	.05	225 (2)	109 (2)	200	42	8460	467
4 UPPER MANNVILLE OO	1058	.80	.10	762	269	493	42	20854	1932
5 UPPER MANNVILLE C ASSOC	567	.94	.05	507 (2)			42		2736
6 UPPER MANNVILLE C SOLN	14	.60	.20	7 (2)			42		
7 UPPER MANNVILLE G	631	.94	.05	564 (2)			42		4753
8 UPPER MANNVILLE H	1198	.94	.05	1070 (2)			42		3652
9 UPPER MANNVILLE P ASSOC	1799	.94	.05	1604 (2)			42		7202
10 UPPER MANNVILLE U	854	.94	.05	764 (2)			42		954
11 U MANN C,G,H,P & U TOTAL	5063	.95	.05	4516 (2)	3715 (2)	801	42	33882	
12 UPPER MANNVILLE Y	978	.90	.10	792			42		3333
13 UPPER MANNVILLE FF	1286	.95	.05	1160			42		3881
14 U MANN Y & FF TOTAL	2264	.95	.05	1952	1903	49	42	2073	
15 LOWER MANNVILLE F	551	.90	.10	446	396	50	42	2115	783
16 PEKISKO G	772	.92	.04	682	531	151	40	6048	200
17 OTHER	5578			3750	1406	2344		96939	
18 TOTAL-GHOST PINE	20112			16020	8730	7290		303632	
19 GIBOS (SA) 075-02W6									
20 TOTAL-GIBOS	16			11		11		412	
21 GILBY 041-03W5									
22 CARDIUM C	612	.85	.15	442		442	37	16544	2882
23 BASAL MANNVILLE D	1457	.91	.15	1130	861	269	40 (1)	10876	1150
24 BASAL MANNVILLE A							40 (1)		2369
25 JURASSIC D							40 (1)		861
26 BSL MANN A & JUR D TOTAL	9346	.85	.15	6750	3519	3231	40 (1)	130629	
27 BASAL MANNVILLE H	1755	.91	.10	1440 (2)			40 (1)		2800
28 BASAL MANNVILLE L ASSOC	72	.70	.15	43 (2)			40 (1)		200
29 JURASSIC-RUNDLE SOLN	111	.60	.10	60 (2)			40 (1)		
30 JURASSIC-RUNDLE ASSOC	9410	.92	.08	8000 (2)			40 (1)		5764
31 BMNV H+L,J-RUN+UM A TOTAL	11348	.90	.10	9543 (2)	7092 (2)	2451	40 (1)	99094	
32 JURASSIC B SOLN	1049	.30	.20	252 (2)			40		
33 JURASSIC B ASSOC	493	.80	.20	316 (2)	330 (2)	238	40	9622	494
34 JURASSIC-RUNDLE C	10143	.94	.10	9020	7288	1732	40	70025	3668
35 RUNDLE G	613	.85	.15	443		443	40	17910	1125
36 RUNDLE H	844	.85	.15	610		610	40 (1)	24662	1379
37 OTHER	6312			3653	785	2868		116401	
38 TOTAL-GILBY	42217			32159	19875	12284		495763	
39 GILWOOD 073-18W5									
40 TOTAL-GILWOOD	605			392	23	369		14275	
41 GIROUX LAKE 066-21W5									
42 TOTAL-GIROUX LAKE	691			445	22	423		16678	
43 GIROUXVILLE (SA) 077-23W5									
44 TOTAL-GIROUXVILLE	59			42		42		1682	
45 GIROUXVILLE EAST 077-22W5									
46 GETHING A	742	.80	.05	564	5	559	40	22388	1658
47 OTHER	613			427		427		17071	
48 TOTAL-GIROUXVILLE EAST	1355			991	5	986		39459	
49 GLACIER 077-12W6									
50 TOTAL-GLACIER	520			370		370		14316	
51 GLADYS 020-27W4									
52 WABAMUN A	1500	.50	.20	600		600	39	23580	2914
53 OTHER	929			547	27	520		20156	
54 TOTAL-GLADYS	2429			1147	27	1120		43736	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
						.68		1956	1978	TCPL CONCURRENT PRODUCTION OIL DEPLETED	2
3.64	.214	.75	10410	55	.831	.68	1488.6	1956	1978	TCPL CONCURRENT PRODUCTION OIL DEPLETED	3
3.89	.188	.70	10320	57	.830	.60	1494.2	1967	1980	TCPL	4
1.66	.178	.55	10550	52	.818	.69	1389.9	1962	1981	CONCURRENT PRODUCTION	5
						.69		1962	1981	CONCURRENT PRODUCTION	6
.84	.198	.65	10480	52	.824	.67	1412.7	1955	1975		7
2.23	.198	.65	10450	46	.815	.67	1363.5	1962	1981		8
1.54	.207	.70	10480	52	.825	.67	1410.9	1955	1975		9
5.92	.203	.65	10690	55	.822	.68	1415.5	1964	1975		10
								1955	1981	TCPL CONCURRENT PRODUCTION OIL DEPLETED	11
2.11	.198	.65	10450	56	.836	.68	1532.6	1966	1982		12
2.72	.200	.55	10480	55	.830	.69	1480.1	1961	1978		13
								1961	1982	TCPL	14
5.34	.200	.55	10650	52	.824	.68	1471.0	1960	1981	TCPL PRODUCTION DECLINE	15
4.32	.045	.75	10580	48	.782	.73	1383.2	1962	1981	TCPL PRODUCTION DECLINE	16
											17
											18
											19
											20
											21
1.01	.096	.85	19380	48	.758	.72	1774.8	1963	1982	A&S CWNGNUL	22
7.80	.107	.70	15510	70	.826	.70	2045.5	1962	1982	KANNGAZ TCPL MATERIAL BALANCE	23
12.65	.137	.70	15930	70	.815	.70	2151.3	1956	1981	MATERIAL BALANCE	24
5.48	.169	.75	15960	69	.814	.70	2173.8	1956	1982	MATERIAL BALANCE	25
								1956	1981	TCPL	26
4.91	.120	.65	15870	70	.805	.70	2112.9	1956	1973	MATERIAL BALANCE	27
1.10	.120	.70	15310	73	.810	.72	2045.8	1959	1982	MATERIAL BALANCE	28
						.71		1953	1984	MATERIAL BALANCE CONCURRENT PRODUCTION	29
5.18	.133	.65	16060	71	.827	.71	2084.5	1953	1984	MATERIAL BALANCE CONCURRENT PRODUCTION	30
								1953	1984	A&S TCPL CONCURRENT PRODUCTION	31
						.73		1958	1980	A&S TCPL CONCURRENT PRODUCTION	32
4.94	.159	.80	15890	71	.824	.73	2133.0	1958	1980	A&S TCPL CONCURRENT PRODUCTION	33
16.68	.130	.75	15750	71	.818	.70	2133.6	1955	1982	TCPL MATERIAL BALANCE	34
5.80	.073	.75	17600	77	.833	.69	2195.9	1961	1982	PROGAS TCPL	35
6.20	.079	.70	17980	77	.818	.74	2229.4	1963	1982	KANNGAZ PROGAS TCPL	36
											37
											38
											39
											40
											41
											42
											43
											44
											45
3.85	.207	.65	8230	37	.874	.59	858.4	1980	1984		46
											47
											48
											49
											50
											51
5.10	.051	.85	22900	66	.825	.76	2517.7	1961	1981	PANALTA TCPL BER	52
											53
											54

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 GLEICHEN 022-22W4									
2 MEDICINE HAT A	663	.70	.03	450			36 (1)		14184
3 SE ALTA GAS SYS(MU) TOTAL	663	.70	.05	450	18	432	36 (1)	15686	
4 GLAUCONITIC J ASSOC	665	.80	.10	479		479	38	18470	2432
5 OTHER	495			387	8	379		14444	
6 TOTAL-GLEICHEN	1823			1316	26	1290		48600	
7 GLEN PARK 049-27W4									
8 TOTAL-GLEN PARK	930			593	259	334		14469	
9 GLENDON 058-08W4									
10 TOTAL-GLENDON	422			263	6	257		9620	
11 GLENEVIS 055-04W5									
12 TOTAL-GLENEVIS	802			574	20	554		21643	
13 GLOVER 075-09W4									
14 TOTAL-GLOVER	89			46		46		1739	
15 GODIN 081-01W5									
16 TOTAL-GODIN	374			183		183		6847	
17 GOLD CREEK 067-05W6									
18 BLUESKY-GETHING A	1544	.75	.05	1100	983	117	42	4949	7673
19 CADOMIN B	699	.70	.10	440	175	265	41 (1)	11011	812
20 WABAMUN A	4104	.45	.30	1290	674	616	38 (1)	23981	1230
21 WABAMUN B	1189	.65	.15	657		657	38 (1)	25577	200
22 WABAMUN 34-069-05	1020	.75	.15	650		650	38	25305	400
23 WABAMUN 34-069-05	517	.70	.15	308		308	38	11990	200
24 OTHER	1872			1234	137	1097		44456	
25 TOTAL-GOLD CREEK	10945			5679	1969	3710		147269	
26 GOLDEN 086-15W5									
27 TOTAL-GOLDEN	26			18		18		891	
28 GOLDEN SPIKE 051-27W4									
29 BLAIRMORE A	89	.90	.05	76			39		366
30 BLAIRMORE A	80	.90	.05	68			39		256
31 BLAIRMORE A	188	.90	.05	161			39		415
32 BLAIRMORE A	15	.90	.05	13			39		66
33 BLAIRMORE A	9	.90	.05	8			39		49
34 BLAIRMORE A	6	.90	.05	5			39		25
35 BLAIRMORE A	16	.90	.05	14			39		49
36 BLAIRMORE A	4	.90	.05	3			39		25
37 BLAIRMORE A	18	.90	.05	15			39		16
38 BLAIRMORE A TOTAL	425	.90	.05	363	316	47	39	1847	
39 D-1 A	921	.85	.10	704	420	284	39	11269	438
40 D-3 A SOLN	5046	.67	.40	2030 (2)			42 (1)		
41 D-3 A ASSOC		.90	.10		1350 (2)	680	42 (1)	28764	
42 OTHER	888			509	108	401		16131	
43 TOTAL-GOLDEN SPIKE	7280			3606	2194	1412		58011	
44 GOODFISH (SA) 091-09W5									
45 TOTAL-GOODFISH	106			65		65		2554	
46 GOODRIDGE 061-02W5									
47 TOTAL-GOODRIDGE	530			354	15	339		14086	
48 GOODWIN 059-13W5									
49 JURASSIC A	708	.80	.10	510		510	40	20426	1289
50 OTHER	160			98		98		3925	
51 TOTAL-GOODWIN	868			608		608		24351	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
1.08	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	2
								1904	1982	PANALTA PROGAS TCPL	3
1.90	.184	.65	10830	43	.810	.66	1364.7	1961	1982	TCPL PART OF GLAUC POOL NO.2	4
											5
											6
											7
											8
											9
											10
											11
											12
											13
											14
											15
											16
											17
2.32	.109	.60	22100	70	.831	.70	2126.0	1964	1983	A&S PROGAS TCPL MATERIAL BALANCE	18
6.69	.090	.70	19750	64	.820	.69	2105.9	1966	1975	A&S	19
17.47	.069	.85	35510	101	.950	.75	3344.6	1964	1981	A&S MATERIAL BALANCE	20
37.62	.068	.85	35510	101	.988	.82	3494.2	1964	1981	A&S	21
12.05	.101	.85	33870	110	1.020	.69	3188.8	1980	1982		22
12.00	.100	.85	34180	111	.998	.70	3233.3	1980	1982		23
											24
											25
											26
											27
											28
2.23	.170	.60	10070	52	.827	.68	1324.1	1949	1982	PRODUCTION DECLINE	29
2.87	.170	.60	10070	52	.827	.68	1533.1	1949	1982	PRODUCTION DECLINE	30
4.16	.170	.60	10070	52	.827	.68	1325.6	1949	1982	PRODUCTION DECLINE	31
2.10	.170	.60	10070	52	.827	.68	1318.0	1949	1982	PRODUCTION DECLINE	32
1.77	.170	.60	10070	52	.827	.68	1313.4	1949	1982		33
2.13	.170	.60	10070	52	.827	.68	1323.1	1949	1982	PRODUCTION DECLINE	34
3.05	.170	.60	10070	52	.827	.68	1331.4	1949	1982	PRODUCTION DECLINE	35
1.52	.170	.60	10070	52	.827	.68	1333.5	1949	1982	PRODUCTION DECLINE	36
10.06	.170	.60	10070	52	.827	.68	1346.3	1949	1982	PRODUCTION DECLINE	37
								1949	1982		38
6.15	.090	.80	10890	53	.825	.67	1384.7	1949	1970	PANALTA MATERIAL BALANCE	39
								1949	1977	CONCUR PROD SEC GAS CAP GAS CYCLING	40
								1949	1977	CONCUR PROD SEC GAS CAP GAS CYCLING	41
											42
											43
											44
											45
											46
											47
											48
4.99	.200	.40	14030	69	.850	.66	1784.0	1956	1975	TCPL	49
											50
											51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	GOOSE RIVER 067-18W5									
2	VIKING A	472	.85	.05	381		381	41	15831	1949
3	BEAVERHILL LAKE A SOLN	2287	.34	.60	311	285	26	37	973	
4	TOTAL-GOOSE RIVER	2759			692	285	407		16804	
5	GOPHER (SA) 081-19W4									
6	TOTAL-GOPHER	39			18		18		674	
7	GORDONDALE 079-10W6									
8	PEACE RIVER	989	.85	.05	798			37		3717
9	NOTIKEWIN B	100	.75	.05	72			37		200
10	GETHING A	811	.75	.03	592			37		3176
11	PEACE RIV,NOT B&GET A TOTAL	1900	.80	.05	1462	1404	58	37	2171	
12	GETHING B	487	.85	.05	393	325	68	38	2596	200
13	OTHER	2401			1651	192	1459		54796	
14	TOTAL-GORDONDALE	4788			3506	1921	1585		59563	
15	GRAHAM 079-04W4									
16	MCMURRAY B	1029	.55	.05	538	52	486	43	20922	4143
17	OTHER	467			222	30	192		8266	
18	TOTAL-GRAHAM	1496			760	82	678		29188	
19	GRAINDALE 026-02W4									
20	TOTAL-GRAINDALE	746			529	13	516		21932	
21	GRAND FORKS 011-13W4									
22	TOTAL-GRAND FORKS	518			364		364		13298	
23	GRANDE CACHE (SA) 059-08W6									
24	TOTAL-GRANDE CACHE	197			151		151		5652	
25	GRANDE PRAIRIE 071-06W6									
26	TOTAL-GRANDE PRAIRIE	1215			844	1	843		32301	
27	GRANLEA 008-10W4									
28	BOW ISLAND A	1128	.90	.05	965	489	476	35	16927	6397
29	OTHER	324			237	48	189		6839	
30	TOTAL-GRANLEA	1452			1202	537	665		23766	
31	GRANOR 083-18W4									
32	GROSMONT A	1293	.40	.05	491	120	371	41	15278	20233
33	OTHER	115			56		56		2108	
34	TOTAL-GRANOR	1408			547	120	427		17386	
35	GRANUM 011-26W4									
36	BOW ISLAND A	540	.65	.10	316	19	297	37	11117	2407
37	TOTAL-GRANUM	540			316	19	297		11117	
38	GRASSLAND 067-19W4									
39	WABAMUN-WINTERBURN A	637	.70	.05	423	87	336	37	12452	3129
40	OTHER	1116			699	219	480		18190	
41	TOTAL-GRASSLAND	1753			1122	306	816		30642	
42	GREENCOURT 059-09W5									
43	JURASSIC A	3944	.90	.05	3380	1727	1653	40	66203	4415
44	JURASSIC B	548	.85	.10	420	1	419	40	16781	2214
45	PEKISKO A SOLN	123	.60	.15	63 (2)			42		
46	PEKISKO A ASSOC	2131	.88	.05	1780 (2)	1140 (2)	703	42	29737	2468
47	OTHER	620			442	139	303		12754	
48	TOTAL-GREENCOURT	7366			6085	3007	3078		125475	
49	GREENCOURT EAST 059-06W5									
50	TOTAL-GREENCOURT EAST	590			388		388		15769	
51	GREGG (SA) 049-25W5									
52	TOTAL-GREGG	136			92		92		3444	

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	10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2	1.97	.200	.65	9460	53	.874	.62	1210.1	1964	1978	PANALTA
3									1963	1980	TCPL
8	4.48	.190	.70	4300	33	.930	.57	841.9	1952	1974	MATERIAL BALANCE
9	7.40	.145	.65	7240	44	.905	.59	959.2	1957	1982	
10	3.38	.120	.70	10150	42	.850	.59	1291.7	1953	1971	MATERIAL BALANCE
11									1952	1974	DOMEDOW PANALTA PROGAS WCOAST
12	9.87	.120	.70	12470	43	.830	.60	1325.6	1957	1982	WCOAST MATERIAL BALANCE
16	7.42	.300	.60	1810	15	.961	.56	235.3	1976	1984	PANALTA TCPL
28	2.39	.202	.60	5650	24	.888	.59	684.8	1971	1983	CWNGNUL PANALTA
32	14.66	.173	.20	1250	17	.973	.57	316.1	1976	1984	PANALTA
36	5.13	.120	.65	5850	47	.926	.58	1667.3	1971	1983	CWNGNUL
39	4.15	.250	.65	3030	29	.950	.57	546.2	1958	1976	PANALTA TCPL
43	5.58	.128	.50	11170	60	.830	.69	1440.0	1961	1975	TCPL MATERIAL BALANCE
44	3.86	.090	.60	11030	60	.833	.69	1472.2	1967	1980	DOMEDOW CWNGNUL TCPL
45							.65		1961	1982	TCPL CONCURRENT PRODUCTION
46	8.87	.117	.75	11170	63	.852	.65	1455.4	1961	1982	TCPL CONCURRENT PRODUCTION

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 GREY (SA) 045-19W5									
2 TOTAL-GREY	183			130		130		5061	
3 GRIMSHAW 083-23W5									
4 TOTAL-GRIMSHAW	256			182	3	179		6813	
5 GRIST 073-09W4									
6 GRAND RAPIDS A	786	.55	.05	411		411	37	15540	9853
7 OTHER	7			4		4		150	
8 TOTAL-GRIST	793			415		415		15690	
9 GRIZZLY 062-22W5									
10 TOTAL-GRIZZLY	710			530	84	446		18366	
11 GROAT 057-16W5									
12 TOTAL-GROAT	468			320		320		12546	
13 GROUARD (SA) 075-15W5									
14 TOTAL-GROUARD	90			60		60		2246	
15 GROUSE 074-12W4									
16 TOTAL-GROUSE	232			113		113		4250	
17 GROVEDALE (SA) 070-06W6									
18 TOTAL-GROVEDALE	248			178		178		6663	
19 GUNN 055-03W5									
20 TOTAL-GUNN	383			262	56	206		8394	
21 GUTAH 099-07W6									
22 TOTAL-GUTAH	47			31		31		1277	
23 HACKETT 035-17W4									
24 LOWER MANNVILLE A	730	.80	.09	531	529	2	41	82	977
25 OTHER	745			488	175	313		12775	
26 TOTAL-HACKETT	1475			1019	704	315		12857	
27 HADDOCK (SA) 056-16W5									
28 TOTAL-HADDOCK	155			99		99		4000	
29 HAIRY HILL 055-14W4									
30 VIKING A	776	.80	.05	590	211	379	36	13902	17972
31 ST EDOUARD B	1843	.80	.05	1400	382	1018	37	38104	3312
32 ST. EDOUARD A	1852	.75	.05	1320	1044	276	37	10331	5073
33									
34 D-2 B	507	.75	.05	361	287	74	37	2770	1296
35 CAMROSE A	682	.85	.05	551	518	33	37	1235	4004
36 OTHER	3275			2142	697	1445		54004	
37 TOTAL-HAIRY HILL	8935			6364	3139	3225		120346	
38 HALKIRK 038-16W4									
39 TOTAL-HALKIRK	624			380	122	258		10814	
40 HALKIRK EAST 040-14W4									
41 TOTAL-HALKIRK EAST	364			246		246		9208	
42 HALLIDAY 028-14W4									
43 TOTAL-HALLIDAY	72			52	16	36		1402	
44 HAMELIN CREEK 080-06W6									
45 TOTAL-HAMELIN CREEK	579			408	142	266		10254	
46 HAMMERHILL (SA) 023-23W4									
47 TOTAL-HAMMERHILL	17			11		11		420	
48 HANGINGSTONE 084-09W4									
49 UPPER MANNVILLE A	2339	.60	.05	1330		1330	37	49782	33939

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.53	.305	.65	1580	19	.967	.58	328.0	1979	1983	BER	6
8.24	.180	.70	8400	41	.852	.59	1169.5	1952	1981	TCPL MATERIAL BALANCE	24
.74	.255	.50	4320	21	.913	.59	488.4	1949	1982	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6	30
5.40	.294	.80	4140	21	.914	.58	561.4	1972	1984	CWNGNUL TCPL	31
7.44	.292	.70	4310	21	.910	.59	541.0	1954	1981	TCPL PART OF ST. ED POOL NO.1 MATERIAL BALANCE	32 33
5.04	.184	.75	4400	22	.915	.58	628.6	1964	1982	TCPL PRODUCTION DECLINE	34
3.25	.105	.60	3940	29	.940	.57	661.7	1973	1984	PANALTA TCPL PRODUCTION DECLINE	35
3.28	.350	.60	1000	19	.978	.56	327.4	1965	1977	BER	49

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	HANGINGSTONE 084-09W4 (CONTINUED)									
2	OTHER	543			260		260		9710	
3	TOTAL-HANGINGSTONE	2882			1590		1590		59492	
4	HANLAN 047-17W5									
5	CARDIUM A	544	.90	.10	440		440	40	17789	200
6	CARDIUM 03-046-17	486	.90	.10	394		394	37	14747	200
7										
8										
9	WINTERBURN B	1453	.75	.10	981	76	905	40	36589	200
10	BEAVERHILL LAKE A	38333	.80	.25	23000	1059	21941	37 (1)	829589	8005
11	BEAVERHILL LAKE B	610	.70	.25	320	57	263	40	10633	200
12	SWAN HILLS 046-17	1101	.75	.25	619		619	37	23169	638
13	OTHER	829			574		574		23206	
14	TOTAL-HANLAN	43356			26328	1192	25136		955722	
15	HANMORE (SA) 061-19W4									
16	TOTAL-HANMORE	59			37		37		1385	
17	HANNA 031-14W4									
18	LOWER MANNVILLE E	403	.80	.05	306	184	122	39	4795	1139
19	LOWER MANNVILLE F	689	.80	.05	524	433	91	39	3576	1605
20	OTHER	1110			718	252	466		18165	
21	TOTAL-HANNA	2202			1548	869	679		26536	
22	HANSMAN 040-04W4									
23	TOTAL-HANSMAN	205			133		133		4984	
24	HARDY 076-05W4									
25	TOTAL-HARDY	108			57		57		2133	
26	HARLECH (SA) 044-14W5									
27	TOTAL-HARLECH	205			147		147		5896	
28	HARLEY 056-27W5									
29	LEDUC 15-056-27	855	.70	.25	449		449	44	19832	200
30	OTHER	93			67		67		2659	
31	TOTAL-HARLEY	948			516		516		22491	
32	HARMATTAN EAST 032-03W5									
33	RUNDLE SOLN	5592	.40	.30	1570 (2)			38 (1)		
34	RUNDLE ASSOC	36782	(3)	(3)	30000 (2)	12145 (2)	19425	38 (1)	752913	19341
35	RUNDLE B	441	.80	.15	300		300	40 (1)	12129	440
36	OTHER	836			575	67	508		20649	
37	TOTAL-HARMATTAN EAST	43651			32445	12212	20233		785691	
38	HARMATTAN ELKTON 031-04W5									
39	RUNDLE B SOLN	18	.65	.30	8 (2)			40 (1)		
40										
41	RUNDLE B ASSOC	1364	.85	.15	986 (2)	983 (2)	11	40 (1)	445	5036
42										
43	RUNDLE C SOLN	5143	.65	.30	2341 (2)			41 (1)		
44	RUNDLE C ASSOC	31326	(3)	(3)	23300 (2)	5330 (2)	20311	41 (1)	842500	7020
45	RUNDLE A	2400	.25	.14	516	393	123	41 (1)	5111	1013
46	D-3 A	13400	.28	.79	788	655	133	35 (1)	4729	4527
47	OTHER	157			115		115		4353	
48	TOTAL-HARMATTAN ELKTON	53808			28054	7361	20693		857138	
49	HARMON VALLEY (SA) 082-18W5									
50	TOTAL-HARMON VALLEY	81			50		50		1834	
51	HARO 101-03W6									
52	BLUESKY A	3168	.50	.05	1505			37		46591

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
											4
9.56	.140	.85	26130	79	.884	.70	2653.6	1974	1976	PANALTA PROGAS	5
19.52	.054	.85	33710	83	.993	.61	2887.3	1978	1982	TCPL	6
											7
											8
44.30	.070	.85	42000	121	1.100	.74	4133.1	1980	1982	PANALTA	9
23.13	.084	.90	43810	144	1.091	.72	4604.8	1976	1984	PANALTA	10
18.52	.064	.90	45500	138	1.102	.73	4774.3	1979	1984	PANALTA	11
9.85	.096	.80	30790	123	.969	.73	4705.6	1981	1983	PANALTA	12
											13
											14
											15
											16
											17
1.29	.210	.70	9310	37	.824	.65	1140.1	1972	1982	TCPL MATERIAL BALANCE	18
2.16	.220	.70	9390	37	.825	.65	1151.9	1949	1984	PANALTA TCPL MATERIAL BALANCE	19
											20
											21
											22
											23
											24
											25
											26
											27
											28
33.53	.060	.80	44110	144	1.133	.57	4635.1	1976	1980	PANALTA BER	29
											30
											31
											32
						.83		1954	1982	CONCURRENT PRODUCTION GAS CYCLING	33
9.14	.088	.73	23600	85	.840	.83	2521.3	1954	1982	CONCURRENT PRODUCTION GAS CYCLING	34
7.40	.073	.75	23300	63	.797	.84	2535.6	1970	1983		35
											36
											37
											38
						.82		1960	1975	A&S TCPL MATERIAL BALANCE CONCURRENT	39
										PRODUCTION OIL DEPLETED	40
1.70	.092	.80	23670	91	.845	.82	2725.8	1960	1975	A&S TCPL MATERIAL BALANCE CONCURRENT	41
										PRODUCTION OIL DEPLETED	42
						.84		1954	1983	CONCURRENT PRODUCTION GAS CYCLING	43
21.20	.105	.90	25030	94	.873	.84	2673.0	1954	1983	CONCURRENT PRODUCTION GAS CYCLING	44
10.67	.082	.80	25030	96	.890	.71	2788.0	1957	1982	TCPL PRODUCTION DECLINE	45
22.22	.050	.90	32230	110	.767	.92	3351.8	1961	1983	A&S MATERIAL BALANCE	46
											47
											48
											49
											50
											51
2.51	.210	.40	3100	19	.936	.58	335.3	1972	1984	PART OF BLSKY POOL NO.1	52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY fraction	SURFACE LOSS	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
1 HARO 101-03W6 (CONTINUED)									
2 BLUESKY A	4531	.70	.05	3013			37		26519
3 BLUESKY A	28	.70	.05	19			37		718
4 BLUESKY A	654	.70	.05	435			37		6557
5 BLUESKY A	4	.55	.05	2			37		200
6 BLUESKY A	5	.55	.05	3			37		200
7 BLUESKY A	15	.65	.05	9			37		200
8 BLUESKY A	5	.70	.05	3			37		200
9 BLUESKY A	13	.50	.05	6			37		200
10 BLUESKY A	8	.70	.10	5			39		200
11 BLUESKY A TOTAL	8431	.60	.05	5000	1245	3755	37	140550	
12									
13 OTHER	1318			733	124	609		24547	
14 TOTAL-HARO	9749			5733	1369	4364		165097	
15 HAROLD LAKE 063-05W4									
16 TOTAL-HAROLD LAKE	159			90		90		4009	
17 HARTELL 019-02W5									
18 TOTAL-HARTELL	431			92	77	15		590	
19 HARTMAN 067-04W5									
20 TOTAL-HARTMAN	23			15		15		556	
21 HASTINGS 050-20W4									
22 TOTAL-HASTINGS	261			159	98	61		2296	
23 HAWK 097-20W5									
24 TOTAL-HAWK	32			21		21		786	
25 HAYNES 038-24W4									
26 TOTAL-HAYNES	124			69		69		2712	
27 HAYS 013-14W4									
28 TOTAL-HAYS	102			70		70		2647	
29 HAYTER 041-01W4									
30 TOTAL-HAYTER	606			419		419		15684	
31 HEART LAKE 069-10W4									
32 TOTAL-HEART LAKE	459			233	28	205		7725	
33 HEART RIVER 077-16W5									
34 PADDY A	720	.80	.05	547	67	480	37	17966	2345
35 NOTIKEWIN	637	.75	.05	454	116	338	37	12651	2291
36 NOTEKEWIN B	458	.80	.05	348	35	313	37	11716	1769
37 OTHER	196			127	7	120		4492	
38 TOTAL-HEART RIVER	2011			1476	225	1251		46825	
39 HEATHDALE 027-08W4									
40 TOTAL-HEATHDALE	2040			1451	23	1428		54295	
41 HECTOR 017-16W4									
42 TOTAL-HECTOR	756			569	68	501		18805	
43 HELDAR 058-07W5									
44 TOTAL-HELDAR	888			610		610		23951	
45 HELICOPTER 102-08W6									
46 TOTAL-HELICOPTER	35			23		23		921	
47 HELMSDALE 026-06W4									
48 TOTAL-HELMSDALE	85			55	20	35		1507	
49 HERCULES 051-23W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
6.30	.210	.40	3100	19	.935	.59	335.3	1972	1984	PART OF BLSKY POOL NO.1	2
1.43	.210	.40	3100	19	.935	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	3
3.68	.210	.40	3100	19	.935	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	4
.90	.160	.40	3080	30	.942	.59	638.7	1972	1982	PART OF BLSKY POOL NO.1	5
1.20	.160	.40	3130	30	.941	.59	637.7	1972	1982	PART OF BLSKY POOL NO.1	6
1.30	.160	.40	3190	25	.932	.59	449.1	1972	1982	PART OF BLSKY POOL NO.1 PRODUCTION DECLINE	7
.90	.210	.40	3100	24	.933	.59	458.5	1972	1982	PART OF BLSKY POOL NO.1	8
4.70	.210	.40	1730	27	.963	.59	570.3	1972	1982	PART OF BLSKY POOL NO.1	9
1.85	.180	.40	3100	30	.945	.65	577.3	1972	1982	PART OF BLSKY POOL NO.1	10
								1972	1984	A&S CWNGNUL PANALTA TCPL PART OF BLSKY	11
										POOL NO.1	12
3.12	.287	.70	1850	21	.961	.56	498.2	1952	1982	LOC U PANALTA MATERIAL BALANCE	34
3.99	.323	.65	3210	21	.936	.56	539.3	1952	1982	LOC U PANALTA	35
4.25	.284	.65	3170	20	.933	.56	519.9	1977	1982	PANALTA	36

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 HERCULES 051-23W4 (CONTINUED)									
2 ELLERSLIE C	519	.75	.05	370	18	352	35	12651	1182
3 OTHER	498			315	89	226		8501	
4 TOTAL-HERCULES	1017			685	107	578		21152	
5 HERRONTON 019-26W4									
6 BELLY RIVER A							36		8462
7 BELLY RIVER B							36		2491
8 BELLY RIVER A & B TOTAL	1619	.80	.05	1230	981	249	36	9041	
9 OTHER	585			303	66	237		8605	
10 TOTAL-HERRONTON	2204			1533	1047	486		17646	
11 HIGH PRAIRIE (SA) 074-16W5									
12 TOTAL-HIGH PRAIRIE	460			324		324		12762	
13 HIGH RIVER (SA) 018-29W4									
14 TOTAL-HIGH RIVER	190			122		122		4566	
15 HIGHLAND 029-02W4									
16 TOTAL-HIGHLAND	392			305		305		11518	
17 HIGHVALE 051-04W5									
18 TOTAL-HIGHVALE	4021			2491	136	2355		99112	
19 HIGHWAY (SA) 055-09W5									
20 TOTAL-HIGHWAY	202			129		129		5070	
21 HIGHWOOD (SA) 017-02W5									
22 TOTAL-HIGHWOOD	3			2		2		75	
23 HILL 085-11W6									
24 TOTAL-HILL	81			57	7	50		1984	
25 HILLSDOWN 037-25W4									
26 TOTAL-HILLSDOWN	93			51		51		1990	
27 HINES 085-03W6									
28 TOTAL-HINES	1580			972	200	772		29444	
29 HINTON 051-25W5									
30 DUNVEGAN A	1888	.50	.10	850	47	803	39	31863	2076
31 TOTAL-HINTON	1888			850	47	803		31863	
32 HOLBURN 050-01W5									
33 TOTAL-HOLBURN	1271			859	167	692		28710	
34 HOLLOW 061-20W4									
35 TOTAL-HOLLOW	266			171	47	124		4643	
36 HOLMBERG 044-17W4									
37 GLAUCONITIC A	554	.80	.05	421	120	301	39	11829	1658
38 GLAUCONITIC E	575	.75	.10	388	52	336	39	13205	1205
39 OTHER	4503			2982	464	2518		97545	
40 TOTAL-HOLMBERG	5632			3791	636	3155		122579	
41 HOMEGLEN RIMBEY 043-01W5									
42 D-3 SOLN	2459	.50	.15	1040 (2)			38 (1)		
43 D-3 ASSOC	30653	.88	.18	22100 (2)	22108 (2)	1032	38 (1)	40176	4662
44 OTHER	1639			1050	54	996		39767	
45 TOTAL-HOMEGLEN RIMBEY	34751			24190	22162	2028		79943	
46 HONDO 070-27W4									
47 TOTAL-HONDO	51			34		34		1273	
48 HONEYSUCKLE (SA) 046-26W4									
49 TOTAL-HONEYSUCKLE	130			89		89		3665	

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10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
3.86	.200	.65	8350	38	.873	.60	1178.9	1953	1984		2
											3
											4
											5
4.11	.212	.65	3280	35	.948	.57	925.7	1973	1984	MATERIAL BALANCE	6
3.01	.200	.55	3310	35	.948	.57	995.4	1973	1984	MATERIAL BALANCE	7
								1973	1984	CWNGNUL PANALTA	8
											9
											10
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27
											28
											29
4.26	.110	.55	54200	91	1.200	.61	3154.4	1974	1983	PANALTA	30
											31
											32
											33
											34
											35
											36
2.64	.220	.70	7620	33	.862	.63	1028.7	1971	1982	A&S TCPL	37
3.79	.232	.70	7560	44	.875	.66	1043.7	1971	1983	A&S TCPL	38
											39
											40
											41
						.72		1953	1973	A&S TCPL PROGAS CONCURRENT PRODUCTION	42
52.52	.075	.90	19530	82	.844	.72	2387.5	1953	1973	A&S TCPL PROGAS CONCURRENT PRODUCTION	43
											44
											45
											46
											47
											48
											49

TABLE 4-5 (continued) RESERVES OF GAS

	POOL OR ZONE	1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
		INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	HOOKER 015-29W4									
2	LIVINGSTONE 05-015-29	715	.70	.20	401		401	37	15009	200
3	TOTAL-HOOKER	715			401		401		15009	
4	HOOLE 081-24W4									
5	WABISKAW A	584	.70	.05	389	49	340	36	12471	7560
6	WABAMUN A	1162	.65	.05	717	1	716	36	26263	9331
7	OTHER	166			100		100		3691	
8	TOTAL-HOOLE	1912			1206	50	1156		42425	
9	HORSEFLY LAKE 008-16W4									
10	TOTAL-HORSEFLY LAKE	43			28		28		1059	
11	HOSELAW 060-06W4									
12	TOTAL-HOSELAW	121			76	34	42		1622	
13	HOTCHKISS 094-01W6									
14	BLUESKY A	965	.80	.05	733	629	104	39	4087	5282
15	BLUESKY D	195	.65	.05	121			39		2323
16	BLUESKY E	476	.80	.05	362			39		4923
17	SHUNDA A	3342	.80	.05	2540			40		18099
18	BLUESKY D,E+SHUNDA A TOTAL	4013	.80	.05	3023	1346	1677	39	65906	
19	DEBOLT B	652	.50	.05	310	92	218	40	8731	1878
20	DEBOLT A	4316	.70	.05	2870	1560	1310	40	52466	7316
21	OTHER	1400			868	262	606		23900	
22	TOTAL-HOTCHKISS	11346			7804	3889	3915		155090	
23	HOUSE 082-15W4									
24	GROSMONT A	4210	.40	.05	1600	68	1532	37	56776	62198
25	OTHER	158			77		77		2882	
26	TOTAL-HOUSE	4368			1677	68	1609		59658	
27	HOWARD 079-05W6									
28	TOTAL-HOWARD	63			42		42		1600	
29	HUDSON 030-02W4									
30	VIKING A	896	.80	.08	660	473	187	37	7070	4941
31	OTHER	973			682	40	642		24373	
32	TOTAL-HUDSON	1869			1342	513	829		31443	
33	HUNTER VALLEY 029-09W5									
34	RUNDLE A	2844	.75	.25	1600	607	993	37	37168	1117
35	TOTAL-HUNTER VALLEY	2844			1600	607	993		37168	
36	HUSSAR 025-20W4									
37	BELLY RIVER A	357	.80	.05	272			37		5306
38	BELLY RIVER D	330	.80	.05	250			37		4577
39	BELLY RIVER E	2	.80	.05	2			37		141
40	BELLY RIVER F	17	.80	.05	13			37		200
41	BELLY RIVER ADE & F TOTAL	706	.80	.05	537	434	103	37	3855	
42	BELLY RIVER C	58	.55	.05	30			37		646
43	MILK RIVER A	193	.70	.05	128			36		2453
44	MEDICINE HAT A	4344	.70	.03	2950			36 (1)		63126
45	SE ALTA GAS SYS (MU) TOTAL	4595	.70	.05	3108	118	2990	36 (1)	108567	
46	VIKING B	777	.90	.10	630	233	397	38 (1)	15157	4583
47	VIKING E	413	.80	.05	314	288	26	38 (1)	993	5499
48	VIKING L	667	.70	.05	444	142	302	38	11645	2914
49	BASAL COLORADO A	584	.90	.05	500	343	157	38 (1)	5994	6752
50	BASAL COLORADO C	690	.75	.05	492	484	8	38 (1)	308	6507
51	GLAUCONITIC B SOLN	105	.65	.15	58 (2)			38 (1)		
52										
53	GLAUCONITIC B ASSOC	609	.90	.10	490 (2)	399 (2)	149	38 (1)	5745	1578
54										
55	GLAUCONITIC A SOLN	572	.65	.25	279 (2)			38		

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction	fraction	kPa	°C	fraction	fraction	m				
21.00	.098	.80	24900	86	.908	.69	3388.3	1980	1982	PROGAS BER	2
1.82	.260	.60	2680	23	.947	.57	417.1	1967	1984		5
4.79	.150	.75	2300	24	.953	.58	454.6	1967	1984	PANALTA PROGAS	6
1.56	.250	.50	5450	23	.903	.61	674.4	1971	1981	PANALTA TCPL MATERIAL BALANCE	14
1.30	.210	.55	5450	33	.905	.58	715.1	1974	1983		15
1.43	.210	.55	5450	22	.898	.56	645.4	1976	1979		16
3.09	.186	.55	5430	23	.893	.58	678.9	1975	1981		17
								1974	1983	PANALTA TCPL	18
4.39	.230	.60	5460	27	.903	.58	688.5	1972	1984	PANALTA	19
5.12	.210	.50	5500	30	.907	.58	725.4	1973	1984	PART OF DBLT POOL NO.1 MATERIAL BALANCE	20
26.86	.120	.15	1390	18	.970	.57	314.5	1973	1982	PANALTA PROGAS	24
1.53	.258	.65	6540	25	.883	.59	732.0	1954	1981	PANALTA TCPL PART OF VIK POOL NO.5	30
16.21	.058	.80	24670	64	.840	.67	2634.6	1962	1984	A&S TCPL MATERIAL BALANCE	34
1.81	.250	.50	2960	27	.943	.57	625.1	1960	1974		37
1.80	.250	.50	3170	27	.941	.57	641.9	1955	1974		38
.41	.250	.50	3170	27	.941	.57	662.9	1968	1974		39
2.16	.250	.50	3170	27	.941	.57	694.9	1965	1974		40
								1955	1974	CWNGNUL TCPL	41
2.22	.205	.60	3170	20	.939	.69	649.7	1964	1984		42
2.82	.154	.55	3140	16	.938	.56	798.8	1910	1983	PART OF MILK RIV POOL NO.1	43
1.59	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	44
								1904	1984	PROGAS TCPL	45
1.50	.203	.70	7740	40	.882	.63	1229.0	1955	1982	TCPL	46
1.08	.203	.70	7930	38	.893	.63	1127.8	1961	1982	TCPL PRODUCTION DECLINE	47
3.39	.160	.55	7250	33	.878	.60	1064.0	1955	1982	TCPL	48
1.06	.169	.70	8550	44	.877	.60	1320.1	1952	1984	TCPL MATERIAL BALANCE	49
1.07	.177	.70	8470	45	.880	.61	1255.8	1955	1982	TCPL MATERIAL BALANCE	50
						.67		1956	1974	TCPL MATERIAL BALANCE CONCURRENT	51
										PRODUCTION	52
2.16	.203	.70	10140	45	.830	.67	1440.2	1956	1974	TCPL MATERIAL BALANCE CONCURRENT	53
										PRODUCTION	54
						.64		1952	1975		55

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 HUSSAR 025-20W4 (CONTINUED)									
2 GLAUCONITIC A ASSOC	2502	.92	.15	1960 (2)			38		2603
3 GLAUCONITIC A ASSOC	379	.92	.15	295 (2)			38		287
4 GLAUCONITIC A TOTAL	3453	.90	.15	2534 (2)	967 (2)	1567	38	60424	
5 GLAUCONITIC N	3766	.90	.05	3220	2996	224	38 (1)	8637	5111
6 GLAUCONITIC P	625	.85	.05	505	466	39	38 (1)	1504	200
7 GLAUCONITIC Q	673	.90	.10	545	526	19	38 (1)	733	617
8 GLAUCONITIC R	562	.90	.10	456	389	67	38 (1)	2584	200
9 GLAUCONITIC FF	475	.80	.05	361	336	25	38 (1)	964	200
10 GLAUCONITIC JJ	1404	.75	.10	948	159	789	38	30424	5830
11 GLAUCONITIC J ASSOC	466	.80	.10	336	30	306	38 (1)	11799	2148
12 OSTRACOD F	752	.90	.10	609	51	558	38 (1)	21516	3359
13 OSTRACOD R	685	.80	.05	521	219	302	38 (1)	11645	2952
14 BASAL MANNVILLE B	1339	.80	.10	964	14	950	38 (1)	36632	973
15 OTHER	11351			7343	2008	5335		205280	
16 TOTAL-HUSSAR	34697			24915	10602	14313		544406	
17 HUXLEY 034-24W4									
18 VIKING A	2226	.70	.05	1480			41		6128
19 UPPER MANNVILLE A	51	.70	.05	34			41		200
20 LOWER MANNVILLE A	67	.70	.05	45			41		200
21 VIK A,UMNV A & LMNV A TOTAL	2344	.70	.05	1559	732	827	41	34056	
22 OTHER	941			562	7	555		21890	
23 TOTAL-HUXLEY	3285			2121	739	1382		55946	
24 HYLO 065-15W4									
25 LOWER MANNVILLE A	760	.70	.05	505	147	358	37	13400	6383
26 OTHER	1259			801	211	590		22031	
27 TOTAL-HYLO	2019			1306	358	948		35431	
28 HYTHE 073-10W6									
29 TOTAL-HYTHE	350			248		248		9468	
30 INLAND 051-15W4									
31 UPPER VIKING C	967	.80	.05	735	99	636	36	23328	19275
32									
33 MIDDLE VIKING C	520	.80	.05	395	58	337	37	12614	6142
34 OTHER	1286			820	74	746		27917	
35 TOTAL-INLAND	2773			1950	231	1719		63859	
36 INNISFAIL 035-01W5									
37 D-3 SOLN	5910	.60	.45	1950	1733	217	38	8285	
38 OTHER	1352			851	14	837		33138	
39 TOTAL-INNISFAIL	7262			2801	1747	1054		41423	
40 INVERNESS (SA) 068-12W5									
41 TOTAL-INVERNESS	123			78		78		2919	
42 IOSEGUN (SA) 067-20W5									
43 TOTAL-IOSEGUN	102			78		78		2891	
44 IPIATIK 072-09W4									
45 GRAND RAPIDS A	779	.60	.05	444	28	416	38	16195	9622
46 GRAND RAPIDS B	896	.50	.05	426	111	315	37	11674	10903
47 OTHER	349			179	33	146		5546	
48 TOTAL-IPIATIK	2024			1049	172	877		33415	
49 IRON SPRINGS 011-20W4									
50 TOTAL-IRON SPRINGS	236			158		158		6151	
51 IRRICANA 027-27W4									
52 WABAMUN A	1333	.45	.25	450	370	80	36	2934	842
53 WABAMUN B	1076	.55	.20	474		474	36	17386	1948
54 OTHER	285			179	49	130		4777	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
5.12	.227	.75	10200	44	.832	.64	1426.5	1952	1975		2
7.13	.219	.75	10240	44	.832	.64	1439.6	1952	1975		3
								1952	1975	TCPL	4
4.38	.209	.70	10140	44	.831	.64	1366.0	1955	1984	TCPL PRODUCTION DECLINE	5
17.37	.220	.75	10270	44	.824	.65	1375.0	1957	1984	TCPL MATERIAL BALANCE	6
3.23	.208	.70	10140	44	.817	.67	1401.2	1960	1980	TCPL MATERIAL BALANCE	7
17.27	.210	.70	10270	44	.833	.64	1416.4	1960	1973	TCPL MATERIAL BALANCE	8
1.85	.220	.75	10070	44	.831	.64	1402.7	1968	1984	TCPL PRODUCTION DECLINE	9
2.34	.170	.55	9900	43	.827	.70	1419.4	1960	1984	TCPL CONCURRENT PRODUCTION	10
1.69	.179	.60	10830	45	.810	.66	1405.0	1961	1982	TCPL PART OF GLAUC POOL NO.2	11
1.40	.211	.75	9470	44	.840	.65	1394.8	1956	1973	TCPL	12
1.74	.200	.70	10220	46	.818	.67	1449.1	1956	1984	TCPL MATERIAL BALANCE	13
11.70	.150	.70	10160	42	.820	.70	1354.8	1960	1982	TCPL	14
											15
											16
											17
4.64	.151	.60	8570	52	.868	.64	1483.8	1962	1980		18
1.83	.170	.70	11340	56	.830	.68	1592.3	1963	1984		19
2.78	.150	.70	11340	62	.840	.68	1686.2	1962	1980		20
								1962	1984	TCPL	21
											22
											23
											24
3.51	.244	.55	2460	19	.948	.57	482.2	1972	1982	TCPL	25
											26
											27
											28
											29
											30
.96	.180	.50	5480	27	.895	.60	665.3	1961	1982	LOC U NUL CWNGNUL PANALTA PROGAS TCPL PART	31
										OF VIK POOL NO.7	32
1.16	.222	.55	5580	24	.893	.60	703.2	1971	1983	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.8	33
											34
											35
											36
								1957	1976	TCPL	37
											38
											39
											40
											41
											42
											43
											44
2.15	.320	.70	1630	13	.964	.56	322.5	1974	1983	PANALTA SLPETRO	45
2.47	.291	.70	1590	14	.965	.57	318.0	1974	1984	PANALTA SLPETRO	46
											47
											48
											49
											50
											51
4.10	.050	.70	24340	74	.913	.66	2317.3	1958	1983	WCOAST PRODUCTION DECLINE	52
6.43	.054	.70	24200	71	.880	.72	2345.8	1969	1983	KANNGAZ PANALTA PROGAS	53
											54

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY fraction	SURFACE LOSS fraction	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEATING VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
1	IRRICANA 027-27W4 (CONTINUED)									
2	TOTAL-IRRICANA	2694			1103	419	684		25097	
3	ISLAY 050-04W4									
4	TOTAL-ISLAY	90			63	1	62		2204	
5	JACK 085-04W6									
6	MONTNEY A	575	.80	.05	437	42	395	37	14982	928
7	OTHER	301			205		205		7796	
8	TOTAL-JACK	876			642	42	600		22778	
9	JARVIE 063-01W5									
10	VIKING A	646	.80	.05	491	3	488	38	18998	6318
11	OTHER	1402			936	37	899		36568	
12	TOTAL-JARVIE	2048			1427	40	1387		55566	
13	JARVIE NORTH 064-02W5									
14	TOTAL-JARVIE NORTH	413			278		278		11292	
15	JASLAN 067-21W4									
16	TOTAL-JASLAN	110			69		69		2613	
17	JAYAR 061-03W6									
18	TOTAL-JAYAR	764			559		559		21969	
19	JEAN (SA) 098-24W4									
20	TOTAL-JEAN	131			66		66		2470	
21	JEFFREY 059-23W4									
22	TOTAL-JEFFREY	182			121	1	120		4491	
23	JENNER 020-09W4									
24	MILK RIVER A	5278	.70	.05	3510			36 (1)		38808
25										
26	MEDICINE HAT A	1914	.70	.03	1300			36 (1)		35954
27	MEDICINE HAT C	74	.50	.03	36			36 (1)		2857
28	MEDICINE HAT D	144	.50	.03	70			36 (1)		5026
29	SE ALTA GAS SYS(MU) TOTAL	7410	.70	.05	4916	1059	3857	36 (1)	140048	
30	SECOND WHITE SPECKS A	1581	.75	.05	1130	265	865	36	31408	19936
31	VIKING J	436	.80	.05	332	58	274	36	9949	2968
32	BASAL COLORADO D	669	.85	.05	540	20	520	38	20244	2166
33	ARCS 08-020 ASSOC	531	.80	.20	340		340	37	12726	400
34	OTHER	3916			2553	301	2252		87109	
35	TOTAL-JENNER	14543			9811	1703	8108		301484	
36	JILES 063-21W4									
37	TOTAL-JILES	316			188	42	146		5574	
38	JOAN (SA) 092-10W5									
39	TOTAL-JOAN	100			66		66		2471	
40	JOARCAM 048-21W4									
41	VIKING SOLN	1340	.60	.40	482 (2)			38		
42										
43	VIKING ASSOC	1619	.80	.45	712 (2)	1062 (2)	132	38	5139	13200
44										
45	VIKING C ASSOC	977	.60	.05	557	16	541	38	21061	19446
46										
47	ELLERSLIE 03-049-21	456	.85	.05	368		368	35	13226	200
48	BSL QUARTZ 30-050-22	414	.85	.10	316		316	35	11357	200
49	OTHER	1948			1265	77	1188		43328	
50	TOTAL-JOARCAM	6754			3700	1155	2545		94111	
51	JOFFRE 038-26W4									

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10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
3.76	.270	.75	8170	47	.892	.56	1092.3	1978	1982	PROGAS	6
											7
											8
											9
1.32	.200	.65	5680	31	.892	.59	673.1	1960	1980	KANNGAZ PANALTA	10
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
5.38	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	24
										DECLINE	25
1.23	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	26
.66	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	27
.73	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	28
								1904	1983	PANALTA TCPL	29
1.02	.216	.60	5690	27	.899	.57	630.0	1939	1982	CWNGNUL PANALTA TCPL PART OF 2WS POOL NO.1	30
1.35	.242	.60	6760	23	.867	.59	745.9	1971	1984	TCPL	31
2.11	.226	.65	8950	28	.848	.61	855.5	1980	1983	TCPL	32
11.30	.131	.80	10500	46	.813	.80	1214.2	1981	1983		33
											34
											35
											36
											37
											38
											39
											40
						.64		1949	1984	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN	41
										CONCURRENT PRODUCTION GAS FLOOD	42
1.96	.170	.60	5960	38	.890	.64	987.6	1949	1984	CWNGNUL PANALTA PROGAS SLPETRO A&S NORCEN	43
										CONCURRENT PRODUCTION GAS FLOOD	44
.91	.184	.50	6000	42	.903	.62	985.1	1949	1984	NUL CWNGNUL PANALTA PROGAS SLPETRO A&S	45
										NORCEN CONCURRENT PRODUCTION	46
17.75	.210	.65	8620	37	.840	.59	1191.2	1979	1980		47
17.70	.200	.65	8620	39	.860	.60	1211.6	1960	1973	NUL	48
											49
											50
											51

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	JOFFRE 038-26W4 (CONTINUED)									
2	UPPER MANNVILLE A	393	.85	.15	284			40		205
3	UPPER MANNVILLE B	73	.65	.10	43			40		200
4	BLAIRMORE C	468	.85	.15	338			40		1389
5	U MANN A&B,BLAIR C TOTAL	934	.85	.15	665	391	274	40	10974	
6	D-2 SOLN	3497	.36	.60	504	409	95	44	4196	
7	OTHER	3624			1890	380	1510		57889	
8	TOTAL-JOFFRE	8055			3059	1180	1879		73059	
9	JOHN LAKE 055-01W4									
10	TOTAL-JOHN LAKE	697			434	18	416		15668	
11	JOHNSON 016-14W4									
12	MILK RIVER A	535	.70	.05	356			36 (1)		5412
13										
14	MEDICINE HAT A	18	.70	.03	12			36 (1)		858
15	SE ALTA GAS SYS(MU) TOTAL	553	.70	.05	368	11	357	36 (1)	12963	
16	OTHER	393			280		280		11168	
17	TOTAL-JOHNSON	946			648	11	637		24131	
18	JOLI FOU (SA) 081-20W4									
19	TOTAL-JOLI FOU	42			22		22		823	
20	JOLIET 025-07W4									
21	TOTAL-JOLIET	113			80		80		2995	
22	JOSEPHINE 083-09W6									
23	KISKATINAW A	2013	.80	.05	1530	442	1088	38	41540	1600
24	OTHER	47			32		32		1210	
25	TOTAL-JOSEPHINE	2060			1562	442	1120		42750	
26	JOUSSARD (SA) 074-14W5									
27	TOTAL-JOUSSARD	240			166		166		6214	
28	JUDSON (SA) 007-12W4									
29	TOTAL-JUDSON	24			16		16		599	
30	JUDY CREEK 063-11W5									
31	VIKING A SOLN	288	.65	.30	131 (2)			37		
32	VIKING A ASSOC	2753	.91	.10	2250 (2)	1985 (2)	396	37	14973	10790
33	BEAVERHILL LAKE A SOLN	15860	.42	.30	4663	4353	310	40 (1)	12648	
34	BEAVERHILL LAKE B SOLN	7599	.45	.20	2736	2068	668	40 (1)	27254	
35	OTHER	427			313	160	153		5785	
36	TOTAL-JUDY CREEK	26927			10093	8566	1527		60660	
37	JUDY CREEK SOUTH 062-12W5									
38	TOTAL-JUDY CREEK SOUTH	692			389	49	340		13345	
39	JUMPBUSH 019-20W4									
40	BOW ISLAND 020-21	558	.75	.05	397		397	37 (1)	15011	1947
41	OTHER	743			486		486		18655	
42	TOTAL-JUMPBUSH	1301			883		883		33666	
43	JUMPING POUND 025-04W5									
44	MISSISSIPPIAN	6435	.88	.17	4700			39 (1)		469
45	MISSISSIPPIAN	18209	.88	.17	13300			39		1485
46	MISSISSIPPIAN TOTAL	24644	.90	.15	18000	13456	4544	39 (1)	178579	
47	OTHER	154			103		103		3855	
48	TOTAL-JUMPING POUND	24798			18103	13456	4647		182434	
49	JUMPING POUND WEST 025-06W5									
50	RUNDLE C	22059	.85	.20	15000	4473	10527	38 (1)	409816	3385
51	RUNDLE A							38 (1)		9294
52	RUNDLE B							38 (1)		2403

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
3.91	.226	.89	14180	68	.780	.78	1761.0	1967	1980	MATERIAL BALANCE	2
3.35	.120	.75	11200	54	.803	.71	1784.3	1964	1982		3
1.63	.151	.75	16110	56	.771	.74	1822.2	1958	1982		4
								1954	1984	CWNGNUL TCPL	5
								1956	1982	TCPL	6
3.91	.154	.55	3140	16	.938	.56	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	12
.48	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	14
								1904	1983	TCPL	15
9.27	.130	.70	15210	69	.848	.66	1748.3	1974	1984	TCPL	23
						.63		1959	1983	A&S MATERIAL BALANCE CONCURRENT PRODUCTION	31
2.01	.178	.65	8890	56	.880	.63	1387.1	1959	1983	A&S MATERIAL BALANCE CONCURRENT PRODUCTION	32
						.87		1959	1984	CWNG A&S PROGAS TCPL	33
						.87		1959	1982	CWNG PROGAS	34
2.69	.215	.65	7380	29	.909	.59	1134.5	1973	1975	DOME	40
38.71	.079	.90	27410	82	.926	.70	3013.6	1944	1984	MATERIAL BALANCE	44
43.28	.079	.90	27410	82	.926	.70	2989.5	1944	1984	MATERIAL BALANCE	45
								1944	1983	CWNGNUL	46
48.75	.061	.85	29470	83	.913	.74	3499.5	1967	1983	CWNGNUL TCPL	50
30.49	.070	.85	29510	79	.916	.70	3313.1	1961	1984	MATERIAL BALANCE TOP/BASE TVD	51
34.28	.068	.85	29600	88	.925	.75	3588.5	1963	1984	MATERIAL BALANCE TOP/BASE TVD	52

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	JUMPING POUND WEST 025-06W5 (CONTINUED)									
2	RUNDLE A & B TOTAL	52941	.85	.20	36000	13174	22826	38 (1)	888616	
3	PEKISKO 19-026-06	503	.85	.15	364		364	38	14171	200
4	TOTAL-JUMPING POUND WEST	75503			51364	17647	33717		1312603	
5	KAHNTAH (SA) 097-17W5									
6	TOTAL-KAHNTAH	65			42		42		1577	
7	KAKISA (SA) 117-01W6									
8	TOTAL-KAKISA	19			13		13		511	
9	KAKUT 075-03W6									
10	TOTAL-KAKUT	328			231		231		8646	
11	KAKWA 064-05W6									
12	KAKWA A CARDIUM A ASSOC	873	(3)	(3)	655		655	42 (1)	27975	3087
13	OTHER	1755			1190	118	1072		40474	
14	TOTAL-KAKWA	2628			1845	118	1727		68449	
15	KALELAND (SA) 054-13W4									
16	TOTAL-KALELAND	148			99		99		3811	
17	KARR 065-03W6									
18	BLUESKY A	14519	.75	.10	9800	394	9406	37	355641	21900
19	OTHER	2427			1588	74	1514		58930	
20	TOTAL-KARR	16946			11388	468	10920		414571	
21	KAYBOB 064-19W5									
22	NOTIKEWIN A	7947	.85	.02	6620	5129	1491	41 (1)	61399	11766
23	NOTIKEWIN B	5172	.88	.02	4460	3954	506	41 (1)	20837	11214
24	NOTIKEWIN D	400	.90	.05	342		342	41 (1)	14084	2040
25	CADOMIN B SOLN	182	.65	.99	1 (2)			38		
26	CADOMIN B ASSOC	1919	.85	.05	1550 (2)	296 (2)	1255	38	48882	1854
27	CADOMIN J	352	.90	.05	301		301	38	11718	200
28	BEAVERHILL LAKE A SOLN	9492	.42	.16	3350	2248	1102	42 (1)	47022	
29	BEAVERHILL LAKE B SOLN	552	.65	.15	305 (2)			42		
30	BEAVERHILL LAKE B ASSOC	121	.75	.15	77 (2)	38 (2)	344	42	14678	333
31	BEAVERHILL LAKE C	1947	(3)	(3)	1490	93	1397	41	57403	2472
32	OTHER	4942			3441	99	3342		131717	
33	TOTAL-KAYBOB	33026			21937	11857	10080		407740	
34	KAYBOB SOUTH 060-18W5									
35	VIKING A	585	.90	.05	500	269	231	41	9684	1781
36	GETHING A	843	.75	.05	600	212	388	40	15539	1409
37	GETHING B	1488	.80	.10	1070	46	1024	40 (1)	41011	2854
38	GETHING D	1638	.85	.10	1253	94	1159	40 (1)	46418	3128
39	CADOMIN A	1107	.90	.05	946	415	531	40 (1)	21267	735
40	CADOMIN B	409	.90	.10	331		331	40 (1)	13257	202
41	CADOMIN D	913	.85	.05	737	328	409	40 (1)	16380	440
42	CADOMIN F	541	.85	.05	434	8	426	40	17061	440
43	CADOMIN K	484	.75	.05	345	253	92	40	3685	200
44	TRIASSIC A SOLN	4207	.41	.25	1294	1211	83	43 (1)	3604	
45	TRIASSIC A ASSOC	1720	.40	.20	550	-22	572	43 (1)	24836	2502
46	TRIASSIC B	2206	.80	.15	1500	323	1177	42 (1)	49787	1619
47	NISKU A	533	.90	.20	384		384	43 (1)	16673	480
48	BEAVERHILL LAKE A	104424	(3)	(3)	36400	10260	26140	40 (1)	1056056	20015
49	OTHER	6905			4592	332	4260		170826	
50	TOTAL-KAYBOB SOUTH	128003			50936	13729	37207		1506084	
51	KEHIWIN 059-06W4									
52	GRAND RAPIDS A	619	.75	.05	441	57	384	37	14373	3463
53	OTHER	656			415	43	372		13924	
54	TOTAL-KEHIWIN	1275			856	100	756		28297	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
								1961	1984	CWNGNUL TCPL	2
13.41	.100	.75	30561	104	.922	.74	3430.1	1977	1979	CWNGNUL TOP/BASE TVD	3
1.33	.134	.70	20990	55	.809	.76	1753.4	1978	1984	GAS CYCLING	12
3.91	.124	.65	20290	69	.802	.77	2301.1	1968	1984	KANNGAZ PANALTA SLPETRO TCPL	18
4.08	.200	.65	10550	40	.835	.61	1434.4	1957	1980	A&S MATERIAL BALANCE	22
3.08	.159	.65	9790	56	.879	.61	1470.4	1957	1980	A&S MATERIAL BALANCE	23
1.77	.185	.65	9580	63	.879	.61	1539.2	1958	1980	A&S	24
						.65		1957	1983	CONCURRENT PRODUCTION	25
6.16	.160	.70	15240	71	.838	.65	1767.8	1957	1983	CONCURRENT PRODUCTION	26
10.49	.160	.70	15240	71	.838	.65	1784.3	1960	1975		27
						.80		1957	1975	A&S	28
						.74		1961	1979	CONCURRENT PRODUCTION	29
3.10	.065	.75	30680	108	.948	.74	2927.6	1961	1979	CONCURRENT PRODUCTION	30
6.55	.065	.75	30540	108	.925	1.06	2957.8	1961	1981	GAS CYCLING	31
3.44	.144	.60	10000	66	.864	.66	1703.8	1960	1982	A&S MATERIAL BALANCE	35
4.01	.139	.70	14790	83	.879	.63	2153.7	1959	1983	CNG PANALTA PROGAS	36
3.79	.137	.75	14140	80	.851	.67	1970.2	1969	1982	CNG PANALTA PROGAS TCPL	37
4.40	.124	.65	14110	57	.816	.67	2101.1	1977	1983	PANALTA PROGAS	38
7.16	.148	.65	15380	83	.870	.64	2045.2	1958	1973	DOMEDOW A&S	39
5.79	.148	.65	16580	84	.874	.63	2129.0	1968	1973	PROGAS DOMEDOW	40
8.02	.150	.65	15130	80	.864	.64	2000.7	1967	1983	A&S MATERIAL BALANCE	41
11.10	.128	.50	17790	69	.856	.63	2307.3	1976	1976	TCPL	42
6.40	.148	.65	14630	80	.865	.64	2058.1	1963	1982	PRODUCTION DECLINE	43
						.82		1962	1984	A&S	44
3.87	.127	.75	17060	73	.752	.82	2066.0	1962	1984	A&S	45
3.59	.114	.75	19310	91	.849	.73	2382.1	1976	1984	DOMEDOW PROGAS TCPL MATERIAL BALANCE	46
12.19	.050	.80	28270	108	.930	.79	2907.7	1958	1984	A&S	47
31.12	.079	.80	31720	115	.880	1.00	3219.3	1961	1981	GAS CYCLING	48
2.45	.304	.80	2840	15	.935	.57	403.2	1971	1983	MIP TCPL	52

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	KEHO 011-22W4									
2	TOTAL-KEHO	718			463	183	280		10587	
3	KELSEY 044-18W4									
4	TOTAL-KELSEY	525			332	180	152		5975	
5	KEMP (SA) 098-23W5									
6	TOTAL-KEMP	14			8		8		320	
7	KENT 062-02W4									
8	GRAND RAPIDS B	659	.70	.05	438	49	389	37	14560	4638
9	OTHER	176			101		101		3777	
10	TOTAL-KENT	835			539	49	490		18337	
11	KETCHUM 006-06W4									
12	TOTAL-KETCHUM	160			112	19	93		3500	
13	KETTLE (SA) 082-07W4									
14	TOTAL-KETTLE	20			10		10		378	
15	KIDNEY 091-04W5									
16	TOTAL-KIDNEY	13			6		6		225	
17	KILLAM 043-10W4									
18	UPPER & MID VIKING A	1924	.75	.03	1400	937	463	37	17506	34931
19										
20	ELLERSLIE C	554	.80	.05	421	73	348	37	13026	2815
21	OTHER	8108			5367	906	4461		167384	
22	TOTAL-KILLAM	10586			7188	1916	5272		197916	
23	KILLAM NORTH 044-13W4									
24	UPPER & MID VIKING A							37		46258
25	BASAL MANNVILLE C							37		202
26	NISKU A							37		32
27	U+M V A,BMN C & NIS A TOTAL	1620	.70	.05	1100	756	344	37	13007	
28	OTHER	7126			4704	798	3906		146232	
29	TOTAL-KILLAM NORTH	8746			5804	1554	4250		159239	
30	KILSYTH 065-04W5									
31	TOTAL-KILSYTH	40			25		25		935	
32	KIMIWAN 079-20W5									
33	TOTAL-KIMIWAN	267			181	18	163		6528	
34	KINGMAN 049-19W4									
35	TOTAL-KINGMAN	1089			711	23	688		26834	
36	KINMUNDY 025-09W4									
37	TOTAL-KINMUNDY	49			33		33		1235	
38	KIRBY 074-05W4									
39	UPPER MANNVILLE A	3509	.60	.05	2000	23	1977	37	74750	28686
40	UPPER MANNVILLE C	2927	.60	.05	1670	12	1658	37	62689	45212
41	UPPER MANNVILLE D	2298	.60	.05	1310	221	1089	37	41175	15724
42	LOWER MANNVILLE A	8844	.50	.05	4200	1010	3190	37	118190	36592
43	LOWER MANNVILLE B	515	.70	.05	343		343	37	12969	6185
44	OTHER	2140			1131	44	1087		40891	
45	TOTAL-KIRBY	20233			10654	1310	9344		350664	
46	KIRKWALL 027-05W4									
47	VIKING A	1497	.80	.05	1140	814	326	36	11958	8086
48	OTHER	186			132	6	126		4693	
49	TOTAL-KIRKWALL	1683			1272	820	452		16651	
50	KISKIU (SA) 057-02W6									

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.49	.310	.80	2260	21	.950	.57	279.6	1965	1983	PANALTA	8
.83	.210	.35	5500	24	.890	.61	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE	18
										CONCURRENT PRODUCTION	19
1.75	.254	.65	6830	45	.897	.62	916.9	1957	1982	TCPL	20
.94	.210	.35	5500	24	.890	.61	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE	24
.91	.240	.50	6070	28	.890	.60	827.5	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE	25
3.30	.200	.65	5240	28	.906	.60	832.2	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE	26
								1917	1984	A&S PANALTA TCPL PART OF VIK POOL NO.2	27
3.48	.326	.65	1610	13	.965	.57	288.3	1977	1981	PANALTA PROGAS	39
2.14	.310	.65	1490	18	.970	.56	312.7	1977	1983	PANALTA PROGAS	40
4.15	.322	.50	2155	20	.956	.57	366.7	1977	1983	PANALTA PROGAS	41
5.68	.308	.65	2110	22	.957	.57	410.4	1977	1984	PANALTA PROGAS	42
1.78	.307	.70	2170	24	.955	.57	464.3	1978	1984	PANALTA PROGAS	43
1.49	.300	.60	6570	31	.890	.58	782.4	1959	1978	DOMEDOW PANALTA TCPL	47

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	KISKIU (SA) 057-02W6 (CONTINUED)									
2	TOTAL-KISKIU	198			141		141		5278	
3	KITSIM 017-16W4									
4	MILK RIVER A	188	.70	.05	125			36 (1)		2970
5										
6	MEDICINE HAT A	397	.70	.03	270			36		6077
7	SE ALTA GAS SYS(MU) TOTAL	585	.70	.05	395		395	36	14342	
8	OTHER	176			127	5	122		4638	
9	TOTAL-KITSIM	761			522	5	517		18980	
10	KITTY (SA) 085-12W5									
11	TOTAL-KITTY	34			22		22		848	
12	KIYA (SA) 096-24W5									
13	TOTAL-KIYA	21			14		14		550	
14	KLESKUN (SA) 072-02W6									
15	TOTAL-KLESKUN	27			19		19		711	
16	KNAPPEN 001-11W4									
17	SUNBURST 06-002-11	532	.80	.05	404		404	37	15122	200
18	OTHER	644			446	105	341		12763	
19	TOTAL-KNAPPEN	1176			850	105	745		27885	
20	KNEEHILL (SA) 036-26W4									
21	TOTAL-KNEEHILL	287			167		167		6446	
22	KNELLER 049-23W4									
23	TOTAL-KNELLER	527			328	209	119		4454	
24	KNOBHILL 046-02W5									
25	TOTAL-KNOBHILL	308			176	48	128		5271	
26	KNOPCIK 074-11W6									
27	DOE CREEK A	740	.75	.10	500	98	402	37	15047	3036
28	PADDY A	835	.75	.10	563	18	545	38	20808	5303
29	OTHER	1316			831	63	768		29178	
30	TOTAL-KNOPCIK	2891			1894	179	1715		65033	
31	KOTCHO (SA) 112-11W6									
32	TOTAL-KOTCHO	3			2		2		80	
33	LA GLACE 074-08W6									
34	TOTAL-LA GLACE	1			1		1		37	
35	LAC LA BICHE 067-13W4									
36	TOTAL-LAC LA BICHE	269			174	124	50		1888	
37	LACOMBE 040-26W4									
38	TOTAL-LACOMBE	445			316	126	190		7425	
39	LAIT 001-10W4									
40	LOWER MANNVILLE A	363	.90	.05	310	164	146	37	5520	800
41	OTHER	692			493	112	381		14406	
42	TOTAL-LAIT	1055			803	276	527		19926	
43	LAMBERT 051-22W5									
44	D-3 A	3922	.85	.40	2000	138	1862	39	73177	320
45	TOTAL-LAMBERT	3922			2000	138	1862		73177	
46	LAMONT 053-19W4									
47	TOTAL-LAMONT	183			111		111		4217	
48	LANAWAY 036-03W5									
49	MANNVILLE ASSOC	509	.70	.15	303		303	41	12478	748
50	OTHER	1529			880	29	851		34618	

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.50	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	4
1.51	.170	.55	4310	17	.913	.57	487.7	1904	1981	PART OF MED HAT POOL NO.1	6
								1904	1983	PROGAS TCPL	7
15.50	.320	.85	5820	23	.886	.59	742.8	1981	1983		17
2.67	.187	.65	6210	39	.870	.66	891.8	1964	1984	LOC U CWNGNUL PANALTA PROGAS	27
1.46	.130	.70	11620	58	.844	.65	1382.9	1974	1978	PANALTA PROGAS	28
3.86	.250	.60	7310	33	.870	.58	843.4	1969	1973	CMG	40
66.80	.068	.90	42660	123	1.023	.81	4430.8	1979	1981	PANALTA	44
4.73	.110	.75	17140	68	.820	.86	2234.7	1979	1983	A&S	49

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 LANAWAY 036-03W5 (CONTINUED)									
2 TOTAL-LANAWAY	2038			1183	29	1154		47096	
3 LARNE 116-03W6									
4 TOTAL-LARNE	651			460		460		18636	
5 LATHOM 020-18W4									
6 TOTAL-LATHOM	3112			2054	589	1465		56288	
7 LATHROP (SA) 088-07W6									
8 TOTAL-LATHROP	78			48		48		1797	
9 LATOR 063-02W6									
10 WABAMUN 29-062-03	977	.75	.35	476		476	40	19064	200
11 OTHER	303			194		194		7636	
12 TOTAL-LATOR	1280			670		670		26700	
13 LAWRENCE 041-12W5									
14 TOTAL-LAWRENCE	683			430		430		17708	
15 LEAHURST 039-18W4									
16 TOTAL-LEAHURST	3523			2302	150	2152		91231	
17 LEAMAN 055-12W5									
18 LOWER MANNVILLE F	786	.85	.10	600	306	294	40	11775	1860
19 NORDEGG B	1099	.85	.10	841		841	42	35574	1745
20 OTHER	1878			1291	171	1120		46018	
21 TOTAL-LEAMAN	3763			2732	477	2255		93367	
22 LECKIE 019-17W4									
23 MILK RIVER A	549	.70	.05	365			36 (1)		5874
24									
25 MEDICINE HAT A	201	.70	.03	137			36		3440
26 SE ALTA GAS SYS (MU) TOTAL	750	.70	.05	502	13	489	36 (1)	17756	
27 OTHER	133			97	80	17		690	
28 TOTAL-LECKIE	883			599	93	506		18446	
29 LEDDY 084-25W5									
30 TOTAL-LEDDY	66			41		41		1520	
31 LEDUC-WOODBEND 050-26W4									
32 CARDIUM A	516	.80	.05	392	251	141	38	5489	4575
33 ELLERSLIE 051-26 ASSOC	885	.85	.05	715		715	44	31582	1785
34 BLAIRMORE W	318	.85	.10	243			44		200
35 BLAIRMORE X	310	.85	.10	236			44		200
36 BLAIRMORE W & X TOTAL	628	.85	.10	479	208	271	44	11970	
37 D-2 B SOLN	1200	.75	.53	477	408	69	44	3048	
38 D-2 A SOLN	3761	.62	.30	1632 (2)			44		
39 D-2 A ASSOC	1031	.85	.15	744 (2)	1982 (2)	394	44	17403	3954
40 D-3 A SOLN	5400	.70	.30	2646	2604	42	44	1855	
41 D-3 A ASSOC	11551	.89	.15	8730	15	8715	44	384942	6985
42 OTHER	6728			4253	1072	3181		136176	
43 TOTAL-LEDUC-WOODBEND	31700			20068	6540	13528		592465	
44 LEEDALE 042-04W5									
45 GLAUCONITIC A	2111	.70	.10	1330	82	1248	40 (1)	50457	6765
46 PEKISKO A	1356	.80	.15	922	28	894	40 (1)	36144	2613
47 BANFF A	506	.85	.15	366	180	186	40	7520	906
48 OTHER	2442			1646	29	1617		65276	
49 TOTAL-LEEDALE	6415			4264	319	3945		159397	
50 LEGAL 057-25W4									
51 TOTAL-LEGAL	203			125	73	52		1991	

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
22.50	.095	.85	38910	135	1.009	.81	3956.0	1978	1984	BER	10
2.26	.150	.70	15550	44	.785	.67	1792.8	1972	1977	TCPL	18
7.14	.121	.60	12070	62	.843	.66	1638.2	1978	1984		19
3.70	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	23 24
1.35	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	25
								1911	1983	TCPL	26
1.31	.150	.85	6390	30	.892	.59	913.7	1948	1978	NUL PWGE	32
3.81	.180	.70	10000	55	.840	.69	1316.7	1948	1984		33
7.71	.200	.80	11380	41	.800	.69	1286.6	1951	1977		34
8.33	.180	.80	11380	41	.800	.69	1342.9	1951	1977		35
								1951	1977		36
						.74		1950	1982	LOC U	37
						.74		1947	1982	LOC U	38
12.56	.020	.80	12290	66	.800	.74	1539.2	1947	1982	LOC U	39
						.81		1947	1983	LOC U CONCURRENT PRODUCTION	40
18.23	.080	.86	13060	67	.830	.81	1609.3	1947	1983	LOC U CONCURRENT PRODUCTION	41
2.89	.110	.55	16920	64	.800	.70	2060.1	1970	1982	PROGAS TCPL	45
4.30	.087	.80	18200	84	.836	.71	2138.5	1970	1984	PROGAS TCPL	46
3.83	.088	.75	18885	57	.736	.80	2110.4	1979	1982	TCPL	47

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 LEISMER 077-09W4									
2 CLEARWATER A	14000	.60	.05	7980	2797	5183	37	194000	72073
3 OTHER	779			409		409		15306	
4 TOTAL-LEISMER	14779			8389	2797	5592		209306	
5 LELAND (SA) 059-26W5									
6 TOTAL-LELAND	44			30		30		1123	
7 LEMING 065-04W4									
8 TOTAL-LEMING	1475			867	360	507		18968	
9 LEO 035-17W4									
10 BELLY RIVER A	439	.80	.05	334	16	318	37	11903	4122
11 LOWER MANNVILLE A ASSOC	2645	.80	.05	2010	552	1458	41	60040	4506
12 OTHER	455			274	7	267		10488	
13 TOTAL-LEO	3539			2618	575	2043		82431	
14 LEOPARD 009-20W4									
15 TOTAL-LEOPARD	32			17	17				
16 LEPINE 064-03W5									
17 TOTAL-LEPINE	80			52		52		1927	
18 LESSARD (SA) 124-17W5									
19 TOTAL-LESSARD	7			5		5		206	
20 LETHBRIDGE 008-21W4									
21 TOTAL-LETHBRIDGE	19			14		14		529	
22 LIEGE 093-21W4									
23 WABISKAW A	1190	.50	.05	565		565	36	20724	20454
24 MC MURRAY A	805	.50	.05	383		383	36	14048	11761
25 NISKU-U IRE-GROSMNT A	4500	.40	.05	1710	12	1698	37	62928	86210
26 GROSMONT A	6315	.40	.05	2400	269	2131	38	81362	69258
27 LEDUC A	716	.50	.05	340	4	336	37	12452	9516
28 OTHER	1411			697	6	691		25481	
29 TOTAL-LIEGE	14937			6095	291	5804		216995	
30 LILAC (SA) 077-16W4									
31 TOTAL-LILAC	29			14		14		524	
32 LIMESTONE 033-10W5									
33 RUNDLE C	803	.60	.15	410	86	324	38	12613	440
34 RUNDLE D	1029	.85	.20	700	138	562	38	21879	530
35 RUNDLE A	9688	.80	.20	6200			38		2000
36 RUNDLE B	1719	.80	.20	1100			38		1538
37 RUNDLE A & B TOTAL	11407	.80	.20	7300	1119	6181	38	240626	
38 RUNDLE E	2143	.70	.20	1200			38		688
39 RUNDLE F	347	.70	.20	194			38		716
40 RUNDLE E & F TOTAL	2490	.70	.20	1394	145	1249	38	48624	
41 TURNER VALLEY 05-035-11	505	.80	.15	343		343	37	12969	200
42 WABAMUN A	1180	.75	.30	620	280	340	36	12471	526
43 WABAMUN B	2584	.50	.35	840	49	791	36	29014	1168
44 NISKU C	543	.85	.30	323	118	205	37	7673	200
45 NISKU A	206	.75	.35	101			37		200
46 LEDUC A	1186	.75	.30	623			37		200
47 NISKU A & LEDUC A TOTAL	1392	.75	.30	724	201	523	37	19576	
48 NISKU B	603	.75	.35	294			37		200
49 LEDUC B	785	.75	.30	412			37		200
50 NISKU B & LEDUC B TOTAL	1388	.75	.30	706	193	513	37	19202	
51 OTHER	800			508	58	450		17015	
52 TOTAL-LIMESTONE	24121			13868	2387	11481		441662	

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
4.92	.330	.60	1980	21	.961	.56	269.8	1974	1984	DOMEDOW PANALTA PROGAS	2
											3
											4
											5
											6
											7
											8
											9
2.12	.263	.55	3270	18	.920	.63	527.9	1973	1983	PANALTA SLPETRO TCPL	10
4.97	.195	.70	8030	35	.857	.62	1125.7	1971	1983	PANALTA TCPL CONCURRENT PRODUCTION	11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
4.34	.303	.45	960	11	.978	.71	229.3	1974	1983	KANNGAZ PANALTA PROGAS	23
3.93	.299	.65	900	18	.981	.57	338.7	1980	1984		24
14.54	.202	.20	920	27	.982	.59	261.8	1974	1984	PROGAS	25
18.02	.120	.45	940	18	.980	.59	347.4	1976	1983	KANNGAZ PANALTA PROGAS	26
15.71	.152	.35	900	17	.980	.58	318.7	1980	1984		27
											28
											29
											30
											31
											32
14.00	.070	.88	24145	83	.912	.67	2559.4	1974	1984	TCPL	33
16.76	.063	.82	26050	80	.936	.67	3587.3	1975	1984	TCPL	34
34.25	.077	.88	24460	83	.936	.75	3042.2	1975	1984	TOP/BASE TVD	35
8.87	.069	.80	24460	83	.936	.72	3161.5	1975	1984	TOP/BASE TVD	36
								1975	1984	TCPL	37
31.90	.062	.76	24660	83	.936	.75	3232.1	1976	1984	TOP/BASE TVD	38
5.49	.060	.70	24660	83	.936	.75	3395.2	1976	1984	TOP/BASE TVD	39
								1976	1984		40
30.78	.060	.80	26440	149	.960	.71	3836.2	1977	1979		41
21.31	.053	.80	31160	116	.918	.80	3644.3	1975	1977	TCPL	42
20.20	.053	.80	31160	116	.882	.82	3865.8	1976	1984	TCPL	43
24.50	.050	.80	33180	103	.905	.81	3911.4	1978	1981	TCPL	44
8.64	.060	.80	28980	96	.897	.80	3491.8	1976	1978		45
55.69	.050	.80	31890	91	.938	.75	3610.8	1976	1977		46
								1976	1978	TCPL	47
21.34	.071	.80	31370	116	.922	.81	3790.1	1976	1981	TOP/BASE TVD	48
25.66	.072	.80	31890	91	.938	.75	3864.7	1976	1981	TOP/BASE TVD	49
								1976	1981	TCPL	50
											51
											52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 LINDALE (SA) 050-05W5									
2 TOTAL-LINDALE	325			259		259		10955	
3 LINDBERGH 057-05W4									
4 VIKING A	940	.50	.05	447	12	435	37	16121	34340
5 OTHER	5478			3493	725	2768		103533	
6 TOTAL-LINDBERGH	6418			3940	737	3203		119654	
7 LINK 034-17W4									
8 TOTAL-LINK	89			58		58		2170	
9 LITTLE BOW 015-19W4									
10 GLAUCONITIC 13-015 ASSOC	617	.80	.10	444		444	37	16619	400
11 UPPER MANNVILLE A	572	.90	.05	490	444	46	37	1722	1394
12 OTHER	6391			4233	364	3869		145047	
13 TOTAL-LITTLE BOW	7580			5167	808	4359		163388	
14 LITTLE SMOKY 067-22W5									
15 TOTAL-LITTLE SMOKY	126			91		91		3491	
16 LITTLE SMOKY LAKE (SA) 075-22W5									
17 TOTAL-LITTLE SMOKY LAKE	102			72		72		2720	
18 LIVOCK (SA) 085-23W4									
19 TOTAL-LIVOCK	2			1		1		38	
20 LLOYDMINSTER 050-01W4									
21 COLONY	676	.85	.30	394			35		
22 COLONY	65	.65	.05	39			35		200
23 COLONY	23	.65	.05	14			35		200
24 COLONY	15	.70	.05	10			35		200
25 COLONY	55	.70	.05	36			35		200
26 COLONY	54	.65	.05	31			35		200
27 COLONY	41	.65	.05	26			35		200
28 COLONY	31	.65	.05	19			35		200
29 COLONY TOTAL	960	.80	.25	569	217	352	35	12517	
30 SPARKY DD	511	.70	.05	340		340	35	12090	2724
31 OTHER	3780			1919	251	1668		61038	
32 TOTAL-LLOYDMINSTER	5251			2828	468	2360		85645	
33 LOCHINVAR (SA) 041-26W4									
34 TOTAL-LOCHINVAR	20			11		11		424	
35 LODGE (SA) 009-02W4									
36 TOTAL-LODGE	23			13		13		472	
37 LOGAN 072-13W4									
38 TOTAL-LOGAN	37			21		21		784	
39 LONE 089-04W6									
40 TOTAL-LONE	87			58		58		2279	
41 LONE PINE CREEK 030-28W4									
42 WABAMUN A	14995	.75	.27	8210	5265	2945	38	113677	20942
43 D-3 A SOLN	558	.65	.30	253 (2)			39 (1)		
44 D-3 A ASSOC	4500	.50	.25	1687 (2)	960 (2)	980	39 (1)	38886	1735
45 OTHER	652			399		399		15315	
46 TOTAL-LONE PINE CREEK	20705			10549	6225	4324		167878	
47 LONG COULEE 016-21W4									
48 MANNVILLE J	898	.80	.15	610	589	21	37	786	1908
49 MANNVILLE N	1625	.80	.20	1040	822	218	37	8160	1299
50 MANNVILLE U	672	.85	.25	428	300	128	37	4791	1160
51 MANNVILLE V	1556	.90	.20	1120	531	589	37	22046	2596

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
.76	.240	.50	2760	20	.944	.57	386.3	1946	1982	MIP PANALTA	4
7.10	.240	.65	12010	35	.796	.67	1189.6	1980	1983		10
2.50	.212	.60	11580	41	.815	.67	1202.7	1965	1980	TCPL	11
						.59		1952	1954	COMPOSITE COLONY RESERVE	21
3.39	.330	.76	3660	19	.920	.59	537.7	1952	1978		22
1.24	.360	.65	3480	19	.925	.57	541.3	1952	1978		23
1.24	.300	.55	3450	20	.938	.58	550.5	1952	1977		24
4.01	.270	.70	3450	19	.930	.57	512.4	1952	1978		25
4.94	.290	.55	3170	19	.930	.57	499.0	1952	1978		26
2.78	.300	.70	3450	21	.935	.59	532.2	1952	1977		27
2.47	.280	.65	3380	19	.930	.57	527.9	1952	1978		28
								1952	1978	PANALTA COMPOSITE COLONY RESERVE	29
2.01	.290	.75	4110	21	.925	.60	611.4	1966	1984	PANALTA	30
10.04	.055	.80	24610	83	.885	.77	2417.2	1955	1984	PANALTA PROGAS TCPL MATERIAL BALANCE	42
						.78		1963	1983	TCPL CONCURRENT PRODUCTION OIL DEPLETED	43
17.43	.083	.85	22480	83	.852	.78	2425.0	1963	1983	TCPL CONCURRENT PRODUCTION OIL DEPLETED	44
4.89	.180	.60	11220	42	.817	.74	1487.3	1967	1982	TCPL MATERIAL BALANCE	48
2.59	.206	.80	11020	41	.810	.78	1460.5	1967	1982	TCPL MATERIAL BALANCE	49
4.00	.152	.65	12690	40	.787	.79	1384.0	1960	1982	PANALTA TCPL	50
2.54	.200	.80	13070	44	.795	.77	1395.8	1975	1983	PANALTA TCPL	51

TABLE 4-5 (continued) RESERVES OF GAS

POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE $10^6 m^3$	2 POOL RECOVERY fraction	3 SURFACE LOSS fraction	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES $10^6 m^3$	5 NET CUMULATIVE PRODUCTION $10^6 m^3$	6 REMAINING ESTABLISHED RESERVES $10^6 m^3$	7 GROSS HEATING VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
1 LONG COULEE 016-21W4 (CONTINUED)									
2 OTHER	3690			2113	368	1745		65378	
3 TOTAL-LONG COULEE	8441			5311	2610	2701		101161	
4 LOOKOUT BUTTE 001-28W4									
5 RUNDLE A	13818	.55	.25	5700	5148	552	39 (1)	21903	2858
6 TOTAL-LOOKOUT BUTTE	13818			5700	5148	552		21903	
7 LOSEMAN (SA) 067-02W4									
8 TOTAL-LOSEMAN	26			12		12		444	
9 LOST 084-26W5									
10 TOTAL-LOST	74			48		48		1778	
11 LOUISE (SA) 064-15W5									
12 TOTAL-LOUISE	155			98		98		3851	
13 LOUSANA 036-21W4									
14 TOTAL-LOUSANA	54			28		28		1105	
15 LOVETT RIVER 046-18W5									
16 RUNDLE A	1767	.50	.10	795		795	38	30949	1142
17 OTHER	651			436		436		16973	
18 TOTAL-LOVETT RIVER	2418			1231		1231		47922	
19 LUCKY 061-18W4									
20 TOTAL-LUCKY	809			541	133	408		15257	
21 LUNNFORD 059-03W5									
22 TOTAL-LUNNFORD	557			370	4	366		13700	
23 LYLE 073-18W4									
24 TOTAL-LYLE	115			66		66		2470	
25 LYNDON (SA) 013-29W4									
26 TOTAL-LYNDON	48			34		34		1273	
27 LYNX 062-09W6									
28 TOTAL-LYNX	812			562	153	409		15308	
29 MAJEAU 056-04W5									
30 BANFF A	396	.85	.10	303	28	275	40	11014	200
31 OTHER	2437			1669	117	1552		61397	
32 TOTAL-MAJEAU	2833			1972	145	1827		72411	
33 MAJORVILLE 018-19W4									
34 GLAUCONITIC 16-019-20	585	.85	.10	447		447	38	17066	200
35 OTHER	1511			1019		1019		39165	
36 TOTAL-MAJORVILLE	2096			1466		1466		56231	
37 MALMO 043-22W4									
38 D-3 B	1542	.90	.20	1110	124	986	41	40603	974
39 OTHER	2391			1255	37	1218		47463	
40 TOTAL-MALMO	3933			2365	161	2204		88066	
41 MANITO 042-20W4									
42 TOTAL-MANITO	953			698	9	689		26170	
43 MANNING (SA) 090-25W5									
44 TOTAL-MANNING	70			47		47		1724	
45 MANNVILLE 051-08W4									
46 UPPER VIKING D	354	.85	.05	286			37		9101
47 MIDDLE VIKING C	496	.85	.05	401			37		10774
48 U VIK D & M VIK C TOTAL	850	.85	.05	687	160	527	37	19726	
49 UPPER MANNVILLE C	796	.70	.05	529	431	98	37	3668	2523
50 UPPER MANNVILLE F	1309	.80	.05	995	425	570	37	21335	4903

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction	fraction	kPa	°C	fraction	fraction	m				
35.16	.065	.80	32850	88	.935	1.00	3675.4	1959	1984	TCPL MATERIAL BALANCE	5
13.72	.051	.85	33770	95	1.003	.62	3568.4	1958	1984	PANALTA TOP/BASE TVD	16
18.29	.110	.85	10410	41	.815	.66	1296.6	1951	1983	PANALTA	30
9.70	.270	.85	12310	49	.828	.65	1380.2	1981	1983		34
15.24	.072	.90	15460	59	.826	.74	1621.1	1959	1981	TCPL	38
.75	.218	.50	4480	21	.912	.59	537.8	1974	1984		46
.90	.215	.50	4480	21	.910	.60	538.4	1972	1982		47
								1972	1984	CWNGNUL PANALTA PROGAS TCPL	48
2.28	.250	.65	4600	28	.917	.57	580.5	1970	1984	TCPL MATERIAL BALANCE	49
3.58	.270	.60	4340	21	.912	.58	580.8	1971	1981	TCPL	50

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶ m³	POOL RECOVERY fraction	SURFACE LOSS fraction	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEATING VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
1	MANNVILLE 051-08W4 (CONTINUED)									
2	UPPER MANNVILLE H	751	.80	.05	571	390	181	37	6775	5501
3	OTHER	6273			4128	867	3261		122331	
4	TOTAL-MANNVILLE	9979			6910	2273	4637		173835	
5	MANNVILLE SOUTH (SA) 049-08W4									
6	TOTAL-MANNVILLE SOUTH	252			159		159		5834	
7	MANNY 076-21W4									
8	TOTAL-MANNY	56			32		32		1186	
9	MANOLA 058-02W5									
10	TOTAL-MANOLA	418			285	51	234		9329	
11	MANYBERRIES 005-05W4									
12	BOW ISLAND A	789	.90	.02	704	625	79	35	2780	6115
13	OTHER	1824			1255	271	984		36780	
14	TOTAL-MANYBERRIES	2613			1959	896	1063		39560	
15	MANYBERRIES SOUTH (SA) 003-05W4									
16	TOTAL-MANYBERRIES SOUTH	89			67		67		2558	
17	MAPLE GLEN 036-15W4									
18	UPPER MANNVILLE B	4459	.75	.10	3010	302	2708	41	111515	10881
19	OTHER	1437			937	236	701		27695	
20	TOTAL-MAPLE GLEN	5896			3947	538	3409		139210	
21	MARGIE 074-09W4									
22	TOTAL-MARGIE	106			53		53		1979	
23	MARIE 065-02W4									
24	TOTAL-MARIE	238			125	16	109		4113	
25	MARION LAKE 037-18W4									
26	TOTAL-MARION LAKE	80			49		49		2040	
27	MARKERVILLE 036-02W5									
28	PEKISKO A	2824	.80	.15	1920	73	1847	41	76059	3206
29	OTHER	369			243		243		9471	
30	TOTAL-MARKERVILLE	3193			2163	73	2090		85530	
31	MARLBORO 055-19W5									
32	LEDUC A	5747	.70	.30	2820	642	2178	37	81523	563
33	OTHER	73			49		49		1834	
34	TOTAL-MARLBORO	5820			2869	642	2227		83357	
35	MARSH (SA) 054-25W5									
36	TOTAL-MARSH	332			268		268		10031	
37	MARTEN 077-04W5									
38	TOTAL-MARTEN	339			222		222		8731	
39	MARTEN HILLS 075-25W4									
40	WABISKAW C	631	.80	.05	479	17	462	37	17122	3089
41	WABISKAW A	23553	.80	.05	17900			37		82375
42	WABAMUN A	9069	.65	.05	5600			37		32374
43	WBSK A & WAB A TOTAL	32622	.75	.05	23500	14279	9221	37	341730	
44	WABAMUN C	1412	.75	.05	1010		1010	37	37431	8284
45	OTHER	1797			1047	76	971		35986	
46	TOTAL-MARTEN HILLS	36462			26036	14372	11664		432269	
47	MARWAYNE 053-03W4									
48	TOTAL-MARWAYNE	351			230		230		8707	
49	MATZIWIN 023-14W4									
50	MILK RIVER A	2827	.70	.05	1880			36 (1)		18414
51										

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
m	fraction	fraction	kPa	°C	fraction	fraction	m			
1.76	.270	.60	4460	19	.909	.58	539.5	1970	1981	CWNGNUL TCPL
2.39	.220	.65	5930	27	.901	.58	789.7	1947	1967	CNG MATERIAL BALANCE
4.12	.202	.60	7640	37	.854	.65	1120.4	1974	1984	CWNGNUL KANNGAZ PANALTA TCPL
9.22	.067	.75	18560	68	.814	.71	2272.2	1976	1981	DOMEDOW A&S KANNGAZ PROGAS
65.84	.068	.90	34820	130	.972	.74	3703.9	1965	1975	A&S
4.07	.287	.60	2960	35	.938	.57	794.0	1971	1975	KANNGAZ PANALTA TCPL
5.23	.278	.65	2700	27	.950	.57	685.8	1961	1982	MATERIAL BALANCE
11.39	.138	.55	2710	28	.950	.57	712.8	1961	1982	
								1961	1982	PANALTA TCPL
4.66	.211	.65	2740	35	.952	.57	775.4	1966	1977	KANNGAZ TCPL
6.05	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	MATZIWIN 023-14W4 (CONTINUED)									
2	MEDICINE HAT A	2107	.70	.03	1430			36 (1)		16513
3	MEDICINE HAT C	32	.50	.03	16			36 (1)		1382
4	MEDICINE HAT D	204	.50	.03	99			36 (1)		5649
5	SE ALTA GAS SYS(MU) TOTAL	5170	.70	.05	3425	741	2684	36 (1)	97456	
6	OTHER	986			669	207	462		18054	
7	TOTAL-MATZIWIN	6156			4094	948	3146		115510	
8	MAY (SA) 075-11W4									
9	TOTAL-MAY	17			13		13		482	
10	MCADAM (SA) 082-14W4									
11	TOTAL-MCADAM	10			4		4		150	
12	MCGREGOR 017-20W4									
13	SUNBURST 29-017-20	478	.85	.05	386		386	37	14448	200
14	OTHER	432			293		293		11089	
15	TOTAL-MCGREGOR	910			679		679		25537	
16	MCGUFFIN (SA) 066-11W4									
17	TOTAL-MCGUFFIN	169			94		94		3487	
18	MCKAY RIVER (SA) 091-18W4									
19	TOTAL-MCKAY RIVER	25			13		13		482	
20	MCKEE 033-18W4									
21	TOTAL-MCKEE	71			46		46		1727	
22	MCKINLEY 065-22W5									
23	TOTAL-MCKINLEY	644			448	34	414		16080	
24	MCLAUGHLIN 046-01W4									
25	TOTAL-MCLAUGHLIN	201			124	9	115		4305	
26	MCLEOD 054-14W5									
27	CARDIUM A SOLN	13	.60	.10	7 (2)			37		
28	CARDIUM A ASSOC	1187	.75	.10	801 (2)	318 (2)	490	37	18341	4649
29	WINTERBURN 31-054-14	825	.90	.15	631		631	37	23618	200
30	OTHER	2248			1500	13	1487		56774	
31	TOTAL-MCLEOD	4273			2939	331	2608		98733	
32	MCMILLAN 074-17W4									
33	TOTAL-MCMILLAN	812			440	286	154		5754	
34	MCMULLEN 077-26W4									
35	TOTAL-MCMULLEN	450			268	141	127		4753	
36	MEADOW 062-25W4									
37	TOTAL-MEADOW	212			141	5	136		5202	
38	MEANDER (SA) 115-21W5									
39	TOTAL-MEANDER	12			9		9		371	
40	MEANOOK 063-22W4									
41	TOTAL-MEANOOK	1838			1246	408	838		31368	
42	MEDALLION 019-27W4									
43	TOTAL-MEDALLION	322			211		211		7898	
44	MEDICINE HAT 013-03W4									
45	MILK RIVER A	46045	.70	.05	30620			36 (1)		369798
46										
47	MEDICINE HAT A	79302	.65	.03	50000			36 (1)		472243
48	MEDICINE HAT C	5402	.50	.03	2620			36 (1)		152923
49	MEDICINE HAT D	4804	.50	.03	2330			36 (1)		126180

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.94	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	2
.59	.136	.60	4450	19	.921	.57	487.7	1973	1981	PART OF MED HAT POOL NO.3	3
.92	.139	.60	4450	19	.921	.57	487.7	1973	1981	PART OF MED HAT POOL NO.4	4
								1904	1983	CNG PANALTA PROGAS TCPL	5
12.70	.200	.70	13000	43	.865	.59	1420.0	1981	1982	BER	13
						.68		1972	1984	A&S TCPL CONCURRENT PRODUCTION	27
4.52	.100	.60	9260	56	.850	.68	1506.8	1972	1984	A&S TCPL CONCURRENT PRODUCTION	28
27.76	.080	.80	26480	80	.919	.71	2652.7	1976	1977		29
4.92	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	45
										DECLINE	46
3.88	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	47
.90	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	48
.97	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	49

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	MEDICINE HAT 013-03W4 (CONTINUED)									
2	SE ALTA GAS SYS(MU) TOTAL	135553	.65	.05	85570	55650	29920	36 (1)	1086395	
3	SECOND WHITE SPECKS D	2076	.70	.05	1380	308	1072	36	38924	25332
4	SECOND WHITE SPECKS F	583	.75	.05	414		414	36	15032	1554
5	SECOND WHITE SPECKS A	6821	.75	.05	4860			36		60495
6	SECOND WHITE SPECKS A	13	.75	.05	9			36		440
7	SECOND WHITE SPECKS A TOTAL	6834	.75	.05	4869	1142	3727	36	135327	
8	LOWER COLORADO SAND B	1154	.85	.05	932	140	792	37	29645	11366
9	BOW ISLAND B	1267	.40	.05	482	427	55	36	1997	3540
10	BOW ISLAND L	557	.80	.05	424	349	75	36	2723	3672
11	BOW ISLAND C	437	.80	.05	332	24	308	36	11183	1613
12	OTHER	5372			3734	848	2886		107007	
13	TOTAL-MEDICINE HAT	153833			98137	58888	39249		1428233	
14	MEDICINE LODGE 052-21W5									
15	VIKING A	784	.90	.10	635		635	39	24956	1856
16	WABAMUN 16-052-21	519	.70	.05	345		345	39	13559	400
17	WABAMUN 33-051-21	640	.85	.20	435		435	39	17096	200
18	OTHER	1004			678		678		26897	
19	TOTAL-MEDICINE LODGE	2947			2093		2093		82508	
20	MEDICINE RIVER 039-03W5									
21	GLAUCONITIC A SOLN	2830	.27	.20	611 (2)			43		
22	GLAUCONITIC A ASSOC	2301	.85	.10	1760 (2)	535 (2)	1836	43	79040	2739
23	GLAUCONITIC D	157	.75	.10	106 (2)			43		200
24	OSTRACOD A SOLN	223	.65	.35	94 (2)			43 (1)		
25	OSTRACOD A ASSOC	383	.75	.10	259 (2)			43 (1)		1268
26	GLAUC D & OSTRACOD A TOTAL	763	.70	.15	459 (2)	421 (2)	38	43 (1)	1636	
27	OSTRACOD C SOLN	89	.60	.45	29 (2)			43 (1)		
28										
29	OSTRACOD C ASSOC	1813	.85	.15	1310 (2)	1150 (2)	189	43 (1)	8136	2268
30										
31	OSTRACOD Q	470	.90	.10	381		381	43	16402	2048
32	BASAL MANNVILLE A	966	.90	.15	738	13	725	43 (1)	31211	1491
33	BASAL QUARTZ D SOLN	29	.65	.40	11 (2)			43 (1)		
34	BASAL QUARTZ D ASSOC	418	.85	.15	302 (2)	23 (2)	290	43 (1)	12485	776
35	BASAL QUARTZ B SOLN	1800	.40	.45	396			43 (1)		
36	BASAL QUARTZ B ASSOC	40	.90	.15	31			43 (1)		131
37	BASAL QUARTZ B ASSOC	792	.90	.15	606			43 (1)		669
38	BASAL QUARTZ B ASSOC	13	.90	.15	10			43 (1)		32
39	BASAL QUARTZ B ASSOC	79	.90	.15	60			43 (1)		128
40	BASAL QUARTZ B TOTAL	2724	.55	.30	1103	131	972	43 (1)	41844	
41	JURASSIC A ASSOC	187	.70	.15	111			38 (1)		372
42	JURASSIC A SOLN	1300	.35	.48	237			38 (1)		
43	JURASSIC A ASSOC	32	.70	.15	19			38		32
44	JURASSIC A TOTAL	1519	.40	.40	367	117	250	38 (1)	9545	
45	JURASSIC D ASSOC	358	.90	.15	275			38 (1)		318
46	JURASSIC D ASSOC	17	.90	.15	13			38 (1)		16
47	JURASSIC D ASSOC	56	.90	.15	43			38 (1)		32
48	JURASSIC D SOLN	679	.38	.45	142			38 (1)		
49	JURASSIC D TOTAL	1110	.60	.25	473	126	347	38 (1)	13249	
50	JURASSIC M	603	.75	.15	384	78	306	38 (1)	11683	200
51	PEKISKO N ASSOC	2008	.80	.15	1370		1370	41	56417	1539
52	PEKISKO P	568	.85	.11	430	394	36	41 (1)	1482	1301
53	PEKISKO T	913	.80	.15	621	21	600	41	24708	200
54	OTHER	9858			5344	743	4601		193733	
55	TOTAL-MEDICINE RIVER	28982			15693	3752	11941		501571	

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
								1904	1983	CWNGNUL MIP CTYMEDH PANALTA TCPL	2
1.60	.180	.55	4900	23	.910	.58	650.2	1975	1982	MIP TCPL	3
1.98	.216	.60	5620	27	.899	.57	689.5	1976	1977		4
1.45	.216	.60	5690	27	.899	.57	630.0	1939	1982	PART OF 2WS POOL NO.1	5
.62	.150	.60	4900	20	.907	.58	536.1	1939	1976	PART OF 2WS POOL NO.1	6
								1939	1982	CWNGNUL CTYMEDH TCPL PART OF 2WS POOL NO.1	7
1.24	.190	.60	6630	24	.884	.57	709.0	1977	1984	MIP CTYMEDH TCPL	8
1.75	.286	.60	6520	24	.887	.57	796.1	1948	1983	MIP TCPL MATERIAL BALANCE	9
1.49	.220	.70	6120	23	.889	.59	660.6	1977	1980	CWNGNUL TCPL	10
2.24	.234	.70	6890	27	.885	.63	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1	11
											12
											13
											14
1.55	.120	.80	35920	85	1.004	.66	2862.7	1975	1978	PANALTA PROGAS	15
7.32	.090	.75	36900	107	1.052	.59	3723.9	1977	1982		16
19.83	.090	.75	36900	127	1.098	.66	3920.9	1979	1982	BER	17
											18
											19
											20
						.77		1965	1984	PANALTA PROGAS TCPL CONCURRENT PRODUCTION	21
3.35	.130	.75	26150	66	.853	.77	2203.0	1965	1984	PANALTA PROGAS TCPL CONCURRENT PRODUCTION	22
4.27	.130	.75	18460	69	.814	.75	2073.6	1961	1982		23
						.69		1961	1982	CONCURRENT PRODUCTION	24
1.74	.139	.65	18510	63	.815	.69	2074.2	1961	1982	CONCURRENT PRODUCTION	25
								1961	1982	A&S TCPL CONCURRENT PRODUCTION	26
						.80		1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT	27
										PRODUCTION	28
2.55	.133	.75	20550	71	.804	.80	2278.3	1963	1984	PANALTA TCPL PRODUCTION DECLINE CONCURRENT	29
										PRODUCTION	30
1.36	.108	.75	20200	69	.806	.73	2277.4	1963	1982	PROGAS TCPL	31
3.51	.143	.70	18200	71	.814	.66	2334.2	1964	1973	TCPL	32
						.66		1962	1977	A&S TCPL OIL POOL DEPLETED	33
3.28	.139	.70	15620	60	.790	.66	2094.6	1962	1977	A&S TCPL OIL POOL DEPLETED	34
						.72		1959	1982		35
1.86	.139	.70	16380	66	.806	.72	2160.0	1959	1982		36
6.98	.139	.70	16380	66	.806	.72	2107.4	1959	1973		37
2.44	.139	.70	16380	66	.806	.72	2142.7	1959	1973		38
3.70	.139	.70	16380	66	.806	.72	2172.0	1959	1984		39
								1959	1982	A&S TCPL	40
2.71	.151	.70	16000	63	.805	.69	2131.2	1956	1976		41
						.69		1956	1976		42
5.49	.157	.70	16000	63	.805	.69	2144.6	1956	1984		43
								1956	1976	A&S TCPL	44
6.55	.145	.70	16130	63	.805	.69	2125.7	1962	1973		45
6.19	.145	.70	16130	63	.805	.69	2118.4	1962	1973		46
10.19	.145	.70	16130	63	.805	.69	2118.4	1962	1973		47
						.69		1962	1973		48
								1962	1973	TCPL A&S	49
13.60	.170	.80	15630	63	.812	.70	2161.0	1981	1981	A&S	50
9.33	.110	.75	15980	71	.780	.71	2133.9	1963	1982	A&S PANALTA PROGAS TCPL	51
10.85	.098	.75	16380	59	.789	.74	2119.0	1963	1980	TCPL PRODUCTION DECLINE	52
36.50	.085	.85	15320	59	.758	.73	2162.7	1982	1984		53
											54
											55

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	MEDLEY (SA) 068-02W4									
2	TOTAL-MEDLEY	26			12		12		449	
3	MEEKWAP 066-15W5									
4	TOTAL-MEEKWAP	1164			262	39	223		8347	
5	MEGA 101-07W6									
6	TOTAL-MEGA	59			34		34		1286	
7	MELLOWDALE 060-03W5									
8	TOTAL-MELLOWDALE	298			206	33	173		6475	
9	MEYER 070-25W4									
10	TOTAL-MEYER	897			553	122	431		16133	
11	MICHICHI 030-18W4									
12	TOTAL-MICHICHI	2425			1599	81	1518		60849	
13	MIKWAN 036-23W4									
14	VIKING B	884	.90	.10	716	525	191	41	7865	7001
15	OTHER	3750			2464	426	2038		83644	
16	TOTAL-MIKWAN	4634			3180	951	2229		91509	
17	MILLET (SA) 048-24W4									
18	BASAL QUARTZ 049-25	712	.90	.05	608		608	38	23213	1740
19	OTHER	192			126		126		4860	
20	TOTAL-MILLET	904			734		734		28073	
21	MILLIGAN (SA) 097-13W6									
22	TOTAL-MILLIGAN	177			114		114		4329	
23	MILLS 069-11W4									
24	TOTAL-MILLS	412			210	67	143		5359	
25	MILO 019-23W4									
26	TOTAL-MILO	335			238		238		8999	
27	MINEHEAD 049-19W5									
28	BEAVERHILL LAKE049-19	7143	.50	.30	2500		2500	37	93575	4034
29	OTHER	868			579		579		23373	
30	TOTAL-MINEHEAD	8011			3079		3079		116948	
31	MINNEHIK-BUCK LAKE 046-06W5									
32	CARDIUM J SOLN	686	.65	.10	401	44	357	37	13363	
33	ELLERSLIE A	28	.80	.10	20			37		200
34	JURASSIC A	386	.90	.15	295			37		1260
35	ELL A & JUR A TOTAL	414	.90	.15	315	6	309	37	11566	
36	PEKISKO A	24342	.90	.10	19700	13400	6300	41 (1)	261765	14852
37	BANFF 27-045-04	403	.90	.10	326		326	41 (1)	13545	200
38	OTHER	2172			1459	22	1437		56029	
39	TOTAL-MINNEHIK-BUCK LAKE	28017			22201	13472	8729		356268	
40	MINNOW 057-05W6									
41	TOTAL-MINNOW	93			71		71		3083	
42	MIRAGE 079-07W6									
43	TOTAL-MIRAGE	257			185	3	182		6924	
44	MISTAHAE 079-01W5									
45	TOTAL-MISTAHAE	184			120		120		4805	
46	MISTY 033-05W4									
47	TOTAL-MISTY	211			139		139		5202	
48	MITSUE 071-04W5									
49	GILWOOD A ASSOC	68	.75	.10	46			43		327
50	GILWOOD A SOLN	12669	.45	.35	3706			43		

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
											4
											5
											6
											7
											8
											9
											10
											11
											12
											13
2.02	.138	.60	7410	49	.865	.67	1393.2	1968	1975	CNG TCPL	14
											15
											16
											17
2.23	.200	.70	10340	49	.792	.71	1353.3	1951	1973		18
											19
											20
											21
											22
											23
											24
											25
											26
											27
12.00	.062	.90	42920	146	1.077	.73	4387.6	1973	1982	DOMEDOW PANALTA TCPL BER	28
											29
											30
											31
						.69		1979	1982	A&S PROGAS	32
.80	.100	.85	19463	58	.791	.71	2081.4	1982	1983		33
1.43	.123	.80	19320	57	.765	.78	2078.0	1980	1983		34
								1980	1983	A&S PANALTA PROGAS	35
7.30	.092	.75	17170	85	.851	.73	2114.7	1952	1984	A&S PANALTA PROGAS MATERIAL BALANCE	36
15.00	.090	.70	19250	55	.783	.71	2070.0	1981	1983		37
											38
											39
											40
											41
											42
											43
											44
											45
											46
											47
											48
1.37	.130	.75	15860	69	.850	.72	1659.3	1964	1983		49
						.72		1964	1983		50

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 MITSUE 071-04W5 (CONTINUED)									
2 GILWOOD A ASSOC	117	.75	.10	79			43		200
3 GILWOOD A ASSOC	54	.80	.05	41			43		200
4 GILWOOD A ASSOC	55	.80	.15	37			43		200
5 GILWOOD A ASSOC	146	.80	.05	111			43		200
6 GILWOOD A ASSOC	47	.75	.10	32			43		200
7 GILWOOD A TOTAL	13156	.45	.35	4052	2733	1319	43	57772	
8 OTHER	1341			883	129	754		30196	
9 TOTAL-MITSUE	14497			4935	2862	2073		87968	
10 MOBERLY (SA) 058-04W6									
11 TOTAL-MOBERLY	208			133		133		4978	
12 MONITOR 034-04W4									
13 UPPER MANNVILLE A	1402	.85	.05	1132			37		5842
14 UPPER MANNVILLE C	38	.75	.05	28			37		200
15 UPPER MANNVILLE A & C TOTAL	1440	.85	.05	1160	118	1042	37	39002	
16 OTHER	825			568	63	505		18903	
17 TOTAL-MONITOR	2265			1728	181	1547		57905	
18 MONTAG (SA) 084-06W6									
19 TOTAL-MONTAG	18			13		13		511	
20 MONTGOMERY (SA) 012-28W4									
21 TOTAL-MONTGOMERY	44			29		29		1107	
22 MOONCREEK (SA) 059-05W6									
23 TOTAL-MOONCREEK	336			272		272		9366	
24 MOONSHINE 058-01W4									
25 TOTAL-MOONSHINE	1020			607	47	560		20961	
26 MOORE 067-04W4									
27 TOTAL-MOORE	836			451		451		16881	
28 MOOSE 023-06W5									
29 RUNDLE A	4896	.60	.20	2350		2350	37	87961	2658
30 TURNER VALLEY 227-022-06	953	.60	.20	457		457	37 (1)	17106	200
31 WABAMUN 05-023-06	902	.85	.40	460		460	37	17218	440
32 OTHER	249			177		177		6625	
33 TOTAL-MOOSE	7000			3444		3444		128910	
34 MORGAN 051-04W4									
35 TOTAL-MORGAN	716			467	1	466		16779	
36 MORINVILLE 055-25W4									
37 LOWER MANNVILLE A SOLN	8	.60	.05	5 (2)			40 (1)		
38 LOWER MANNVILLE A ASSOC	1501	.80	.10	1080 (2)	514 (2)	571	40 (1)	22869	2462
39 LOWER MANNVILLE C	478	.75	.08	330	330	< 1	40 (1)	-	839
40 LOWER MANNVILLE E	482	.85	.05	390	362	28	40 (1)	1121	1573
41 OTHER	2222			1326	385	941		37599	
42 TOTAL-MORINVILLE	4691			3131	1591	1540		61589	
43 MORKILL (SA) 054-10W5									
44 TOTAL-MORKILL	19			11		11		412	
45 MORLEY 026-07W5									
46 TOTAL-MORLEY	314			212	142	70		2725	
47 MORNINGSIDE 042-28W4									
48 TOTAL-MORNINGSIDE	753			503		503		18828	
49 MORSE (SA) 064-09W5									
50 TOTAL-MORSE	288			195		195		7227	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
4.10	.170	.55	14180	51	.817	.72	1662.9	1964	1983	ASSIGNED WELL 10-23-069-03 W5M	2
1.85	.130	.65	17370	60	.858	.67	1665.1	1964	1983	ASSIGNED WELL 02-13-069-03 W5M	3
2.30	.080	.75	17390	52	.767	.84	1676.3	1964	1983	ASSIGNED WELL 02-36-068-03 W5M	4
4.20	.150	.65	17930	60	.860	.67	1677.6	1964	1983	ASSIGNED WELL 06-31-068-02 W5M	5
1.20	.170	.65	17310	51	.850	.70	1680.8	1964	1984		6
								1964	1983	TCPL	7
1.43	.318	.70	6830	27	.859	.64	804.2	1974	1980		13
1.85	.280	.50	6780	27	.876	.60	811.4	1977	1983		14
								1974	1983	TCPL	15
25.01	.060	.75	12980	42	.716	.80	2204.8	1960	1984	PROGAS TCPL	29
60.00	.065	.75	15500	68	.794	.72	2585.2	1978	1984	PROGAS TCPL	30
29.03	.053	.85	14940	89	.749	.82	2555.1	1977	1983	TOP/BASE TVD	31
						.67		1952	1984	NORCEN PANALTA CONCURRENT PRODUCTION	37
4.91	.220	.70	7860	46	.869	.67	1100.8	1952	1984	NORCEN PANALTA CONCURRENT PRODUCTION	38
4.91	.159	.70	8030	46	.863	.65	1121.3	1955	1975	NORCEN MATERIAL BALANCE	39
4.27	.181	.70	8000	46	.867	.63	1082.0	1951	1982	NORCEN PRODUCTION DECLINE	40

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	MOSES (SA) 097-12W5									
2	TOTAL-MOSES	4			2		2		74	
3	MOSSLEIGH 021-24W4									
4	TOTAL-MOSSLEIGH	209			145		145		5427	
5	MOUNTAIN 047-22W5									
6	TRIASSIC B	594	.90	.05	508	41	467	40	19054	440
7	TURNER VALLEY A	484	.75	.10	327	68	259	40	10567	440
8	OTHER	1253			888	55	833		31702	
9	TOTAL-MOUNTAIN	2331			1723	164	1559		61323	
10	MUDSPRING 033-19W4									
11	TOTAL-MUDSPRING	336			192		192		7186	
12	MULLIGAN 081-08W6									
13	TOTAL-MULLIGAN	562			409		409		15616	
14	MURIEL LAKE 059-04W4									
15	MANNVILLE A	396	.65	.05	263			37		2126
16	MANNVILLE A	188	.70	.05	125			37		1794
17	MANNVILLE A TOTAL	584	.70	.05	388	193	195	37	7299	
18	OTHER	111			68	1	67		2503	
19	TOTAL-MURIEL LAKE	695			456	194	262		9802	
20	MUSIDORA 052-10W4									
21	TOTAL-MUSIDORA	743			528	86	442		16784	
22	MUSKIKI (SA) 044-19W5									
23	TOTAL-MUSKIKI	148			63		63		2453	
24	MUSKWA (SA) 085-25W4									
25	TOTAL-MUSKWA	16			11		11		403	
26	MUSREAU 062-06W6									
27	TOTAL-MUSREAU	723			514	25	489		19637	
28	MYSTERY 060-07W5									
29	TOTAL-MYSTERY	51			34		34		1290	
30	NAMAKA 022-24W4									
31	TOTAL-NAMAKA	227			160		160		6050	
32	NAMEPI CREEK (SA) 058-21W4									
33	TOTAL-NAMEPI CREEK	63			40		40		1498	
34	NAMUR (SA) 096-15W4									
35	TOTAL-NAMUR	32			17		17		637	
36	NANTON (SA) 016-29W4									
37	TOTAL-NANTON	128			91		91		3474	
38	NARRAWAY 064-12W6									
39	BELLOY 1 03-063-11	463	.80	.05	352		352	41	14495	440
40	OTHER	74			56		56		2201	
41	TOTAL-NARRAWAY	537			408		408		16696	
42	NARROWS (SA) 076-07W5									
43	TOTAL-NARROWS	49			30		30		1123	
44	NAYLOR (SA) 097-24W5									
45	TOTAL-NAYLOR	31			20		20		786	
46	NEERLANDIA 061-05W5									
47	TOTAL-NEERLANDIA	265			180		180		7328	
48	NEGUS (SA) 060-26W5									

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
10.95	.073	.80	28270	116	.975	.62	3083.4	1956	1973	PANALTA	6
17.50	.030	.90	29460	99	.967	.77	3342.5	1980	1984	PANALTA	7
1.71	.300	.55	2860	16	.950	.57	389.8	1952	1980	MATERIAL BALANCE	15
1.87	.250	.70	3100	17	.952	.57	408.4	1952	1977		16
								1952	1980		17
9.87	.075	.75	31030	171	1.048	.56	4349.5	1977	1978	PROGAS BER	39

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶ m³	POOL RECOVERY fraction	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
1 NEGUS (SA) 060-26W5 (CONTINUED)									
2 TOTAL-NEGUS	105			76		76		2845	
3 NELSON 044-25W4									
4 TOTAL-NELSON	604			390		390		16622	
5 NESTOW 060-24W4									
6 UPPER MANNVILLE A	528	.70	.05	351	136	215	37	8047	573
7 LOWER MANNVILLE H	473	.80	.05	361	170	191	37	7149	1558
8 OTHER	960			636	152	484		18102	
9 TOTAL-NESTOW	1961			1348	458	890		33298	
10 NETOOK 063-10W6									
11 TOTAL-NETOOK	941			676		676		25302	
12 NEVIS 039-22W4									
13 BELLY RIVER C	780	.65	.05	482	63	419	37	15683	4357
14 BLAIRMORE A	1974	.80	.05	1500		1500	37	56145	1827
15 DEVONIAN ASSOC							37 (1)		6285
16 DEVONIAN ASSOC							37 (1)		13217
17 DEVONIAN TOTAL	36182	.55	.15	16915	16834	81	37 (1)	3032	
18 OTHER	2421			1515	28	1487		55657	
19 TOTAL-NEVIS	41357			20412	16925	3487		130517	
20 NEW NORWAY 044-22W4									
21 TOTAL-NEW NORWAY	763			380	36	344		12978	
22 NEWAND 065-04W6									
23 BLUESKY A	1117	.75	.10	753	61	692	42	29272	3507
24 OTHER	218			151	72	79		3342	
25 TOTAL-NEWAND	1335			904	133	771		32614	
26 NEWBROOK 062-20W4									
27 UPPER MANNVILLE C	389	.85	.05	314	39	275	37	10293	986
28 OTHER	1730			1140	229	911		35239	
29 TOTAL-NEWBROOK	2119			1454	268	1186		45532	
30 NEWBY 081-05W4									
31 MCMURRAY A	1507	.50	.05	716	5	711	43	30609	6055
32 OTHER	1580			834	1	833		35381	
33 TOTAL-NEWBY	3087			1550	6	1544		65990	
34 NEWELL 017-14W4									
35 MILK RIVER A	1438	.70	.05	956			36 (1)		10956
36									
37 MEDICINE HAT A	105	.70	.03	71			36 (1)		3293
38 MEDICINE HAT C	90	.50	.03	44			36 (1)		2029
39 MEDICINE HAT D	38	.50	.03	18			36 (1)		1383
40 SE ALTA GAS SYS(MU) TOTAL	1671	.70	.05	1089	322	767	36 (1)	27850	
41 OTHER	350			243	19	224		8521	
42 TOTAL-NEWELL	2021			1332	341	991		36371	
43 NEWTON 058-03W5									
44 TOTAL-NEWTON	208			141		141		5289	
45 NINA (SA) 092-20W5									
46 TOTAL-NINA	8			5		5		200	
47 NIOBE 035-27W4									
48 TOTAL-NIOBE	46			22		22		824	
49 NIPIN 074-21W4									
50 TOTAL-NIPIN	3			1		1		37	
51 NIPISI 079-08W5									
52 GILWOOD A SOLN	7410	.46	.45	1875	964	911	43	39219	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
1.96	.200	.65	6520	21	.870	.59	812.6	1970	1976	TCPL MATERIAL BALANCE	6
3.63	.219	.65	5820	40	.900	.61	882.7	1952	1978	TCPL	7
6.27	.250	.40	2020	22	.960	.56	491.1	1977	1982	PANALTA TCPL PART OF BR POOL NO.1	13
3.52	.215	.80	11160	43	.814	.66	1374.2	1952	1984	DOMEDOW PROGAS TCPL	14
17.95	.062	.85	16150	56	.775	.69	1688.9	1952	1982	PRODUCTION DECLINE OIL POOL DEPLETED	15
17.90	.076	.85	16170	61	.825	.76	1675.8	1952	1981	PRODUCTION DECLINE OIL POOL DEPLETED	16
								1952	1984	PANALTA TCPL OIL POOL DEPLETED	17
2.94	.090	.65	20240	94	.847	.73	2356.4	1978	1982	PANALTA	23
3.54	.294	.75	4720	21	.903	.58	576.9	1975	1984	PANALTA	27
7.52	.288	.65	1720	14	.964	.56	203.3	1975	1982	PANALTA TCPL	31
5.19	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	35
										DECLINE	36
.73	.170	.55	4310	17	.913	.57	487.7	1904	1978	PART OF MED HAT POOL NO.1	37
1.13	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	38
.70	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	39
								1904	1983	PANALTA TCPL	40
								1965	1984	TCPL	52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 NIPISI 079-08W5 (CONTINUED)									
2 OTHER	186			67	-15	82		3448	
3 TOTAL-NIPISI	7596			1942	949	993		42667	
4 NISKU (SA) 050-25W4									
5 TOTAL-NISKU	147			93		93		3934	
6 NITON 054-13W5									
7 BASAL QUARTZ A ASSOC	837	.85	.05	676	218	458	40	18343	2028
8 BASAL QUARTZ B SOLN	752	.40	.30	211 (2)			40		
9 BASAL QUARTZ B ASSOC	8983	.75	.05	6400 (2)	1444 (2)	5167	40	206938	12956
10 OTHER	2252			1496	146	1350		54142	
11 TOTAL-NITON	12824			8783	1808	6975		279423	
12 NIXON 072-16W4									
13 LOWER MANNVILLE E	861	.70	.05	573	121	452	37	16751	19454
14 GROSMONT A	3158	.50	.05	1500	1156	344	37	12876	28753
15 OTHER	294			162	31	131		4852	
16 TOTAL-NIXON	4313			2235	1308	927		34479	
17 NOEL (SA) 081-16W5									
18 TOTAL-NOEL	19			12		12		449	
19 NORDEGG 041-17W5									
20 TRIASSIC A	448	.85	.05	361			37		1192
21 RUNDLE A	383	.55	.05	200			37		746
22 TRIASSIC A & RUNDLE A TOTAL	831	.70	.05	561	146	415	37	15533	
23 TOTAL-NORDEGG	831			561	146	415		15533	
24 NORMANDVILLE 080-22W5									
25 MISSISSIPPIAN A	606	.90	.05	518	337	181	39	7113	732
26 OTHER	1540			1079	129	950		37066	
27 TOTAL-NORMANDVILLE	2146			1597	466	1131		44179	
28 NORRIS 053-18W4									
29 MIDDLE VIKING A	534	.80	.05	406	39	367	37	13601	8668
30 LOWER VIKING A	636	.80	.10	458		458	40	18343	7037
31 OTHER	3123			1994	344	1650		64338	
32 TOTAL-NORRIS	4293			2858	383	2475		96282	
33 NORTHVILLE 052-10W5									
34 TOTAL-NORTHVILLE	618			421	3	418		16421	
35 NOSEHILL 055-20W5									
36 D-3 A	949	.70	.05	631	1	630	37	23581	64
37 OTHER	667			460		460		18132	
38 TOTAL-NOSEHILL	1616			1091	1	1090		41713	
39 OAK 083-06W6									
40 TOTAL-OAK	179			121		121		4529	
41 OBED 054-23W5									
42 D-2 A	5792	.85	.35	3200	2	3198	39	126897	2051
43 OTHER	875			597		597		23405	
44 TOTAL-OBED	6667			3797	2	3795		150302	
45 OBERLIN 038-21W4									
46 MANNVILLE	610	.70	.10	384	359	25	40	1020	789
47 OTHER	63			39		39		1568	
48 TOTAL-OBERLIN	673			423	359	64		2588	
49 OCHRE (SA) 090-16W5									
50 TOTAL-OCHRE	20			14		14		524	
51 OGSTON 089-10W5									
52 TOTAL-OGSTON	99			55		55		2058	

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.42	.147	.65	16310	59	.785	.70	1939.4	1965	1978	TCPL CONCURRENT PRODUCTION	7
						.87		1965	1984	DOMEDOW TCPL CONCURRENT PRODUCTION	8
4.59	.143	.65	16400	77	.820	.87	1941.7	1965	1984	DOMEDOW TCPL CONCURRENT PRODUCTION	9
2.01	.240	.40	2280	24	.956	.57	445.6	1969	1978	NUL CWNGNUL	13
9.46	.100	.50	2340	27	.955	.57	459.6	1969	1982	NUL CWNGNUL	14
5.84	.058	.85	12620	46	.865	.58	1489.6	1960	1982		20
10.42	.045	.85	12690	53	.862	.58	1492.9	1960	1984		21
								1960	1984	PROGAS TCPL	22
3.94	.271	.65	10820	38	.829	.64	1047.3	1956	1973	NUL	25
.77	.252	.60	4950	24	.895	.63	677.1	1977	1983	TCPL	29
1.13	.273	.55	4960	25	.889	.63	715.1	1972	1983	TCPL	30
93.40	.050	.85	63980	94	1.330	.59	4020.9	1972	1979	PROGAS	36
21.87	.060	.80	38470	135	.997	.80	4008.2	1956	1984	TCPL	42
2.26	.260	.75	5860	54	.903	.69	1323.1	1949	1983	A&S PWGE MATERIAL BALANCE	46

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	OKOTOKS 021-28W4									
2	WABAMUN B	23590	.65	.50	7667	3278	4389	37	162656	19660
3										
4	OTHER	1090			599	2	597		23245	
5	TOTAL-OKOTOKS	24680			8266	3280	4986		185901	
6	OLDMAN 055-21W5									
7	TRIASSIC 056-21	2084	.80	.10	1500		1500	39	58950	2448
8	OTHER	902			599		599		22792	
9	TOTAL-OLDMAN	2986			2099		2099		81742	
10	OLSON (SA) 056-01W6									
11	TOTAL-OLSON	93			63		63		2358	
12	OMEGA 046-01W4									
13	TOTAL-OMEGA	292			203		203		7599	
14	ONOWAY (SA) 055-02W5									
15	TOTAL-ONOWAY	58			37		37		1371	
16	OPABIN 044-18W5									
17	TOTAL-OPABIN	331			238		238		8642	
18	OPEN CREEK 042-05W5									
19	BASAL QUARTZ A	394	.90	.10	318	38	280	38 (1)	10900	200
20	OTHER	1466			987	54	933		37513	
21	TOTAL-OPEN CREEK	1860			1305	92	1213		48413	
22	ORCHID 088-20W4									
23	TOTAL-ORCHID	15			7		7		259	
24	ORION 007-07W4									
25	TOTAL-ORION	305			210	10	200		7449	
26	OSBORN 089-07W6									
27	TOTAL-OSBORN	252			160		160		6288	
28	OSI (SA) 096-23W4									
29	TOTAL-OSI	129			81		81		3032	
30	OWLSEYE 058-10W4									
31	TOTAL-OWLSEYE	744			491	10	481		18352	
32	OXLEY (SA) 013-28W4									
33	TOTAL-OXLEY	296			211		211		7898	
34	OYEN 029-05W4									
35	VIKING C	403	.90	.05	344	322	22	37	815	373
36	VIKING A	1740	.90	.10	1410			37		5505
37	DETRITAL C	430	.85	.05	347			37		946
38	VIKING A & DETRITAL C TOTAL	2170	.90	.10	1757	524	1233	37	45695	
39	OTHER	1123			725	230	495		18459	
40	TOTAL-OYEN	3696			2826	1076	1750		64969	
41	PADDLE RIVER 057-08W5									
42	JURASSIC_DETR_RUNDLE	13285	.90	.08	11000	5920	5080	42 (1)	214884	18434
43	RUNDLE ASSOC	1147	.85	.10	876	12	864	39	34284	4408
44	OTHER	697			448	10	438		18372	
45	TOTAL-PADDLE RIVER	15129			12324	5942	6382		267540	
46	PAGEANT 018-21W4									
47	TOTAL-PAGEANT	439			303		303		11551	
48	PAKOWKI LAKE 004-07W4									
49	BOW ISLAND A	502	.80	.05	381	359	22	35	774	5335
50	BOW ISLAND B	372	.85	.05	301	195	106	35	3730	1575
51	JURASSIC B	462	.85	.05	372	7	365	37	13662	200

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
11.65	.051	.80	24800	80	.734	.90	2653.2	1951	1983	CWNGNUL KANNGAZ PANALTA TCPL MATERIAL BALANCE	2
3.83	.140	.80	24540	106	.928	.66	2896.9	1977	1984	BER	7
11.72	.140	.65	19330	83	.835	.71	2191.1	1967	1973	A&S	19
1.45	.240	.70	6690	30	.885	.59	838.2	1951	1982	TCPL MATERIAL BALANCE	35
2.73	.275	.60	6530	26	.885	.59	770.4	1949	1983		36
2.77	.290	.65	8140	34	.866	.58	874.2	1963	1982		37
								1949	1983	TCPL	38
6.20	.145	.35	12230	60	.815	.70	1529.9	1956	1983	NUL CWNGNUL MATERIAL BALANCE	42
4.38	.076	.60	12240	55	.815	.68	1551.4	1956	1977	NUL CWNGNUL OIL POOL DEPLETED	43
1.03	.213	.70	5480	24	.908	.59	663.6	1955	1981		49
2.09	.277	.70	5720	33	.914	.58	702.0	1971	1972	CMG	50
8.95	.250	.85	11020	33	.845	.59	986.6	1974	1974	CMG	51

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 PAKOWKI LAKE 004-07W4 (CONTINUED)									
2 OTHER	403			282	5	277		10271	
3 TOTAL-PAKOWKI LAKE	1739			1336	566	770		28437	
4 PALLISER 062-10W6									
5 TOTAL-PALLISER	74			50		50		1872	
6 PANTHER RIVER 030-10W5									
7 RUNDLE A	767	.75	.15	489	11	478	50 (1)	24149	200
8 RUNDLE B	780	.75	.20	468		468	37	17695	200
9 TURNER VALLEY 29-029-10	2933	.75	.25	1650		1650	37	62387	880
10 OTHER	3681			234		234		8848	
11 TOTAL-PANTHER RIVER	8161			2841	11	2830		113079	
12 PARADISE 047-02W4									
13 TOTAL-PARADISE	285			188		188		6713	
14 PARFLESH 025-22W4									
15 TOTAL-PARFLESH	897			480	88	392		15058	
16 PARKER 070-05W5									
17 TOTAL-PARKER	164			95	58	37		1482	
18 PARKLAND 015-28W4									
19 TOTAL-PARKLAND	497			350	38	312		11678	
20 PARKLAND NORTHEAST 015-27W4									
21 LOWER MANNVILLE A	534	.75	.10	361	82	279	37	10549	792
22 MOUNT HEAD 015-26	733	.90	.10	594		594	37	22459	810
23 OTHER	868			609	75	534		20191	
24 TOTAL-PARKLAND NORTHEAST	2135			1564	157	1407		53199	
25 PASS 060-20W5									
26 TOTAL-PASS	792			538	37	501		20066	
27 PASTECHO (SA) 079-06W5									
28 TOTAL-PASTECHO	27			18		18		674	
29 PAXON 065-21W4									
30 TOTAL-PAXON	87			53		53		1983	
31 PEACOCK 014-27W4									
32 TOTAL-PEACOCK	46			31	6	25		935	
33 PEAK 119-05W6									
34 TOTAL-PEAK	33			22		22		947	
35 PEARL 030-16W4									
36 TOTAL-PEARL	55			31		31		1160	
37 PEAVEY 056-24W4									
38 TOTAL-PEAVEY	625			391	127	264		9912	
39 PEAVINE (SA) 075-20W5									
40 TOTAL-PEAVINE	11			7		7		262	
41 PECO 047-15W5									
42 GETHING A	2963	.75	.10	2000	431	1569	39	61662	3361
43 ROCK CREEK A	1777	.75	.10	1200		1200	37	44916	2223
44 JURASSIC A	625	.90	.10	507	129	378	37	14149	1152
45 OTHER	2057			1418	153	1265		49878	
46 TOTAL-PECO	7422			5125	713	4412		170605	
47 PEDIGREE (SA) 100-12W6									
48 TOTAL-PEDIGREE	232			148		148		5551	

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10 AVERAGE PAY THICKNESS m	11 POROSITY	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
35.00	.060	.85	24130	78	.910	.67	3936.6	1958	1984		7
48.00	.040	.85	30790	104	.972	.70	4556.5	1973	1984	TOP/BASE TVD	8
28.57	.047	.85	39280	102	1.021	.75	4578.4	1978	1984	TOP/BASE TVD	9
5.90	.132	.55	15560	65	.831	.66	2273.1	1979	1984	PROGAS	21
4.95	.123	.75	19800	64	.843	.66	2113.3	1953	1979	BER	22
2.60	.141	.85	38500	102	1.032	.70	3040.4	1971	1983	PANALTA TCPL	42
3.88	.129	.75	20700	93	.889	.82	3107.5	1971	1982	PANALTA TCPL	43
4.21	.140	.50	20680	93	.871	.68	3116.9	1960	1975	NUL CWNGNUL	44

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	PEDLEY (SA) 053-25W5									
2	TOTAL-PEDLEY	1282			865		865		33369	
3	PEERLESS 079-22W4									
4	TOTAL-PEERLESS	94			59		59		2187	
5	PEIGAN 008-08W4									
6	TOTAL-PEIGAN	145			108		108		4047	
7	PELICAN 079-24W4									
8	TOTAL-PELICAN	658			400		400		14849	
9	PEMBINA 048-07W5									
10	KEY BELLY RIVER A	1017	.70	.05	676	620	56	50	2803	2307
11	BELLY RIVER SS	464	.75	.05	330	72	258	40	10333	1209
12	BELLY RIVER ZZ	858	.75	.10	579	227	352	40 (1)	14098	2675
13	CARDIUM SOLN	113280	.34	.47	20400	10447	9953	42 (1)	421012	
14	LOB GLAUCONITIC A	4390	.70	.06	2890	1818	1072	41	44938	7102
15	LOB GLAUCONITIC E	3581	.90	.10	2900			42 (1)		3661
16	LOBSTICK GLAUC G	974	.90	.10	789			42 (1)		1758
17	LOB GLAUCONITIC E & G TOTAL	4555	.90	.10	3689	1448	2241	42 (1)	94794	
18	GLAUCONITIC I	3921	.70	.06	2580			41 (1)		4541
19	LOBSTICK GLAUC.D	195	.70	.05	130			41		200
20	GLAUCONITIC D & I TOTAL	4116	.70	.05	2710	874	1836	41 (1)	76965	
21	NISKU P SOLN	791	.75	.30	415	57	358	40	14338	
22	OTHER	20166			10166	-834	11000		447782	
23	TOTAL-PEMBINA	149637			41855	14729	27126		1127063	
24	PENDANT D'OREILLE 004-09W4									
25	BOW ISLAND B	453	.75	.05	323	284	39	35	1372	4557
26	BOW ISLAND							35		17914
27	BOW ISLAND F							35		8378
28	BOW ISLAND G							35		970
29	BOW ISLAND H							35		1926
30	BOW ISLAND J							35		200
31	BOW ISL & BI FGH+J TOTAL	5201	.85	.05	4200	3316	884	35	31108	
32	MANNVILLE A	1220	.90	.05	1040	850	190	37	7112	1812
33	MANNVILLE C	1220	.85	.05	985	798	187	37	6999	1417
34	OTHER	1953			1369	458	911		33293	
35	TOTAL-PENDANT D'OREILLE	10047			7917	5706	2211		79884	
36	PENHOLD 036-27W4									
37	LOWER MANNVILLE B	525	.85	.05	424	243	181	41	7588	930
38	OTHER	1663			1071	22	1049		41340	
39	TOTAL-PENHOLD	2188			1495	265	1230		48928	
40	PEORIA 076-02W6									
41	TOTAL-PEORIA	319			225		225		8827	
42	PEPPERS (SA) 053-24W5									
43	TOTAL-PEPPERS	616			432		432		17143	
44	PERRYVALE (SA) 064-23W4									
45	TOTAL-PERRYVALE	152			104		104		4087	
46	PETER 072-01W5									
47	TOTAL-PETER	14			7		7		280	
48	PETITOT (SA) 122-10W6									
49	TOTAL-PETITOT	48			28		28		1097	
50	PHILOMENA 071-09W4									
51	TOTAL-PHILOMENA	796			393	33	360		13799	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
4.84	.192	.65	7030	38	.879	.59	974.7	1956	1969	NUL CWNGNUL	10
3.25	.201	.60	6580	27	.869	.61	925.8	1957	1984	A&S	11
3.25	.214	.65	6510	27	.870	.62	881.6	1965	1984	CWNGNUL PANALTA	12
								1953	1982	NUL A&S CWNGNUL TCPL	13
8.03	.139	.50	13400	55	.800	.69	1806.0	1957	1983	DOMEDOW A&S CWNGNUL PRODUCTION DECLINE	14
7.53	.151	.60	13650	58	.818	.69	1694.4	1959	1983		15
4.70	.137	.60	13650	58	.818	.69	1691.9	1960	1981		16
								1959	1983	CWNGNUL KANNGAZ	17
7.35	.141	.60	13310	59	.821	.67	1854.6	1958	1984	PART OF GLAUC POOL NO.5	18
8.07	.140	.60	13720	60	.813	.67	1846.5	1960	1982	PART OF GLAUC POOL NO.5	19
								1958	1984	A&S PART OF GLAUC POOL NO.5	20
						.66		1979	1984		21
1.26	.221	.75	5100	24	.913	.59	653.9	1954	1983	CMG MATERIAL BALANCE	25
2.60	.252	.70	4670	24	.921	.59	620.4	1946	1983	MATERIAL BALANCE	26
1.48	.255	.65	4950	24	.916	.59	685.7	1946	1983	MATERIAL BALANCE	27
1.34	.200	.65	4850	20	.914	.59	635.6	1946	1983	MATERIAL BALANCE	28
1.37	.209	.70	4850	20	.914	.59	653.4	1946	1983	MATERIAL BALANCE	29
2.10	.209	.70	5030	24	.914	.59	669.5	1957	1983	MATERIAL BALANCE	30
								1946	1983	CMG	31
6.10	.214	.65	7930	30	.872	.57	844.3	1961	1971	CMG MATERIAL BALANCE	32
7.53	.223	.65	8230	30	.868	.57	818.1	1965	1984	CMG MATERIAL BALANCE	33
10.67	.116	.75	16200	71	.818	.72	1899.9	1971	1983	A&S KANNGAZ MATERIAL BALANCE	37

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 PHOENIX 039-10W5									
2 TOTAL-PHOENIX	704			474	48	426		16063	
3 PICA (SA) 084-05W6									
4 TOTAL-PICA	26			17		17		649	
5 PINCHER CREEK 004-29W4									
6 RUNDLE A	44881	.30	.31	9300	9005	295	38 (1)	11263	5666
7 TOTAL-PINCHER CREEK	44881			9300	9005	295		11263	
8 PINE CREEK 057-19W5									
9 CARDIUM H & I SOLN	1019	.62	.20	506			39		
10 CARDIUM H & I TOTAL	1019	.60	.20	506	96	410	39	16113	
11 LOWER MANNVILLE11-057-20	393	.85	.05	318		318	37	11903	200
12 NORDEGG A	4761	.70	.10	3000	91	2909	39	114324	8260
13 ELKTON A	687	.85	.10	526	166	360	39	14148	400
14 WABAMUN	3069	.80	.45	1350	1108	242	39	9511	1619
15 WABAMUN B	6773	.80	.45	2980	2428	552	39	21694	3905
16 WABAMUN C	2917	.85	.50	1240	1016	224	39	8803	440
17 D-3	23497	.35	.35	5350	4863	487	37	18228	3984
18 D-3 B	1423	.85	.35	786		786	37	29420	128
19 OTHER	2822			1729	4	1725		67553	
20 TOTAL-PINE CREEK	47361			17785	9772	8013		311697	
21 PINE NORTH WEST 058-20W5									
22 D-3 A	8991	.35	.25	2360	1500	860	36	31545	1305
23 OTHER	252			180	26	154		6019	
24 TOTAL-PINE NORTH WEST	9243			2540	1526	1014		37564	
25 PINEDALE 054-16W4									
26 TOTAL-PINEDALE	451			298		298		11209	
27 PINEHURST 066-10W4									
28 TOTAL-PINEHURST	73			45		45		1685	
29 PINGEL 081-07W6									
30 TOTAL-PINGEL	203			146		146		5848	
31 PIPE 046-01W5									
32 TOTAL-PIPE	683			455		455		19247	
33 PLACID 060-23W5									
34 TOTAL-PLACID	127			89		89		3497	
35 PLAIN 053-12W4									
36 UPPER MANNVILLE F	652	.75	.05	465	357	108	37	4042	2140
37 UPPER MANNVILLE H	95	.70	.05	63			37		996
38 UPPER MANNVILLE K	193	.70	.05	128			37		794
39 UPPER MANNVILLE L	17	.70	.05	11			37		200
40 UPPER MANNVILLE M	9	.70	.05	6			37		128
41 SPARKY B	348	.80	.03	270			37		1745
42 U MANN HKLM & SPKY B TOTAL	662	.75	.05	478	230	248	37	9283	
43 COLONY A	278	.75	.05	198			37		1424
44 UPPER MANNVILLE A	85	.70	.05	56			37		439
45 UPPER MANNVILLE B	63	.70	.05	42			37		128
46 SPARKY A	134	.70	.05	89			37		660
47 UMN AB,SPKY A & CLY A TOTAL	560	.70	.05	385	81	304	37	11379	
48 ST. EDOUARD A	660	.75	.05	470	265	205	37	7673	1172
49									
50 COLONY F	531	.85	.05	428	194	234	37	8759	2885
51 COLONY B	360	.70	.05	239			37		1708
52 COLONY C	112	.80	.05	85			37		200
53 COLONY B & C TOTAL	472	.70	.05	324	55	269	37	10069	

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
											4
											5
107.59	.040	.80	34080	89	.965	.74	3810.0	1948	1983	TCPL PRODUCTION DECLINE	6
											7
											8
						.71		1980	1982		9
						.71		1980	1982	CNG TCPL	10
7.92	.160	.70	26510	85	.950	.57	2861.8	1977	1983	A&S PROGAS	11
4.45	.100	.70	21920	96	.913	.65	2682.8	1976	1984		12
12.50	.082	.80	23230	80	.893	.67	2600.2	1968	1982	PANALTA	13
3.52	.069	.85	29790	99	.828	.84	3026.1	1957	1983	A&S PANALTA PROGAS MATERIAL BALANCE	14
6.61	.069	.85	29500	99	.863	.82	3130.3	1956	1983	PANALTA A&S PROGAS MATERIAL BALANCE	15
4.01	.062	.85	31230	124	.913	.59	3459.2	1958	1982	A&S MATERIAL BALANCE	16
39.32	.070	.85	31550	113	.917	.77	3360.1	1957	1975	A&S PANALTA	17
54.89	.096	.85	29410	106	.889	.77	3384.5	1973	1984	A&S	18
											19
											20
											21
47.50	.064	.90	32060	116	.963	.70	3250.2	1963	1982	A&S PRODUCTION DECLINE	22
											23
											24
											25
											26
											27
											28
											29
											30
											31
											32
											33
											34
											35
1.87	.280	.60	4620	24	.910	.57	725.7	1968	1981	TCPL MATERIAL BALANCE	36
1.26	.250	.55	5170	24	.902	.57	647.2	1959	1978		37
1.26	.300	.55	5210	24	.900	.57	657.8	1959	1982	PRODUCTION DECLINE	38
1.20	.210	.60	5200	23	.901	.57	656.6	1975	1983		39
.90	.270	.50	5170	24	.900	.58	672.7	1975	1983		40
2.53	.275	.55	4900	24	.900	.57	673.9	1958	1974		41
								1958	1983	TCPL	42
2.00	.275	.70	4790	24	.903	.58	610.4	1959	1976		43
2.35	.275	.55	5100	24	.902	.60	647.4	1952	1976		44
5.55	.275	.60	5140	24	.920	.59	639.2	1959	1982		45
2.60	.275	.55	4900	24	.905	.59	665.1	1952	1976		46
								1952	1982	CWNGNUL TCPL	47
6.37	.280	.70	4340	25	.918	.58	541.0	1954	1981	PANALTA TCPL CWNGNUL PART OF ST. ED POOL	48
										NO. 1	49
1.83	.300	.65	4830	21	.906	.58	604.3	1970	1978	TCPL	50
2.13	.275	.70	4930	29	.907	.60	609.6	1958	1978		51
5.55	.275	.70	4960	24	.908	.56	603.5	1968	1969		52
								1958	1978	TCPL	53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 PLAIN 053-12W4 (CONTINUED)									
2 CAMROSE A	1011	.75	.05	721	462	259	37 (1)	9599	4411
3 OTHER	8051			5369	1328	4041		150893	
4 TOTAL-PLAIN	12599			8640	2972	5668		211697	
5 PLANTE 055-22W5									
6 TOTAL-PLANTE	667			486		486		18966	
7 PLEASANT 068-20W4									
8 TOTAL-PLEASANT	782			521	144	377		14059	
9 PLUTO (SA) 044-15W5									
10 TOTAL-PLUTO	39			26		26		1102	
11 POINT ALISON (SA) 052-04W5									
12 TOTAL-POINT ALISON	341			231		231		9759	
13 POISON (SA) 056-14W5									
14 TOTAL-POISON	143			94		94		3518	
15 POLLOCKVILLE 025-10W4									
16 TOTAL-POLLOCKVILLE	238			181		181		6775	
17 POMME (SA) 115-24W5									
18 TOTAL-POMME	17			10		10		393	
19 PONOKA 043-26W4									
20 TOTAL-PONOKA	67			45		45		1937	
21 PONY (SA) 080-08W4									
22 TOTAL-PONY	18			10		10		374	
23 PORTAGE 078-17W4									
24 MCMURRAY-GROSMONT A	1535	.60	.05	875			37		17404
25 MCMURRAY-GROSMONT A	1378	.50	.05	655			37		17386
26 MCMURRAY-GROSMONT A TOTAL	2913	.55	.05	1530	1125	405	37	15086	
27 OTHER	180			101		101		3780	
28 TOTAL-PORTAGE	3093			1631	1125	506		18866	
29 POTOGO (SA) 095-21W5									
30 TOTAL-POTOGO	9			6		6		236	
31 POUCE COUPE 080-12W6									
32 PEACE RIVER A	4790	.75	.02	3520	3248	272	37	10181	10400
33 KISKATINAW A	1046	.80	.05	794	146	648	38	24741	1465
34 KISKATINAW D	1820	.80	.10	1310		1310	38	50016	1662
35 OTHER	2001			1403	234	1169		45322	
36 TOTAL-POUCE COUPE	9657			7027	3628	3399		130260	
37 POUCE COUPE SOUTH 078-12W6									
38 PEACE RIVER A	969	.70	.03	659	632	27	38	1051	6809
39 PEACE RIVER B	1284	.70	.02	881	874	7	38	273	2899
40 GETHING A	563	.90	.03	493	459	34	37	1273	200
41 CADOMIN 077-11	462	.80	.10	333		333	37	12464	901
42 BOUNDARY B SOLN	990	.65	.25	483	11	472	37	17667	
43 DOIG 11-078-11	457	.80	.05	348		348	39	13809	200
44 OTHER	2920			2003	236	1767		67357	
45 TOTAL-POUCE COUPE SOUTH	7645			5200	2212	2988		113894	
46 PRAIRIE RIVER (SA) 070-14W5									
47 TOTAL-PRAIRIE RIVER	150			101		101		3969	
48 PRESLEY 059-19W5									
49 TOTAL-PRESLEY	782			582	99	483		18982	

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10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			
2.64	.150	.60	4650	33	.923	.57	733.7	1968	1981	NUL CWNGNUL TCPL MATERIAL BALANCE
2.68	.350	.55	1700	20	.965	.57	358.4	1972	1982	
15.45	.120	.25	1700	20	.965	.57	369.0	1972	1982	
								1972	1982	KANNGAZ
7.62	.180	.70	4270	35	.930	.58	699.8	1922	1978	A&S WCOAST MATERIAL BALANCE
5.58	.097	.75	21100	94	.930	.60	2341.5	1976	1982	A&S WCOAST
7.89	.092	.80	21350	86	.897	.63	2335.9	1974	1983	PROGAS WCOAST
2.02	.200	.60	5600	41	.914	.57	978.9	1956	1979	WCOAST MATERIAL BALANCE
6.61	.168	.70	5540	40	.910	.58	1010.1	1953	1983	WCOAST PRODUCTION DECLINE
7.10	.150	.70	13180	57	.850	.63	1530.9	1958	1973	WCOAST MATERIAL BALANCE
3.95	.146	.70	13000	64	.864	.63	1542.0	1979	1982	
						.79		1980	1984	
18.77	.095	.80	17460	79	.880	.60	1941.2	1979	1980	

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	PREVO 039-01W5									
2	PEKISKO B	1250	.60	.10	676	521	155	41 (1)	6440	703
3	OTHER	715			451	131	320		12529	
4	TOTAL-PREVO	1965			1127	652	475		18969	
5	PRINCESS 020-11W4									
6	MILK RIVER A	11684	.70	.05	7770			36 (1)		87450
7										
8	MEDICINE HAT A	6406	.70	.03	4350			36 (1)		83623
9	MEDICINE HAT C	722	.50	.03	350			36 (1)		26278
10	MEDICINE HAT D	516	.50	.03	250			36 (1)		18009
11	SE ALTA GAS SYS(MU) TOTAL	19328	.70	.05	12720	2848	9872	36 (1)	358452	
12	SECOND WHITE SPECKS A	7761	.75	.05	5530	2239	3291	36	119496	66182
13	BOW ISLAND D	370	.90	.05	316	283	33	37	1248	200
14	BASAL MANNVILLE A	507	.90	.05	434	141	293	38 (1)	11187	425
15	BASAL MANNVILLE M	769	.60	.05	438	427	11	38	420	739
16	JEFFERSON B	854	.90	.05	730	525	205	38 (1)	7905	2817
17	OTHER	2916			2063	736	1327		51130	
18	TOTAL-PRINCESS	32505			22231	7199	15032		549838	
19	PROGRESS 077-09W6									
20	HALFWAY A	1307	.85	.10	1000		1000	38	38560	1422
21	HALFWAY 077-09	724	.80	.05	550		550	38	21208	953
22	UPPER BELLOY 078-09	843	.75	.05	600		600	38	22908	983
23	MIDDLE BELLOY 078-09	772	.75	.05	550		550	38	20999	1194
24	OTHER	1617			1104		1104		42232	
25	TOTAL-PROGRESS	5263			3804		3804		145907	
26	PROVINCE 008-11W4									
27	TOTAL-PROVINCE	57			39		39		1387	
28	PROVOST 037-07W4									
29	BELLY RIVER B	455	.70	.05	303	64	239	38	9125	2644
30	VIKING A, C, & K SOLN	2107	.12	.20	202 (2)			38 (1)		
31	VIKING A, C, & K ASSOC	31921	.91	.04	27900 (2)			38 (1)		36103
32	MANNVILLE E	48	.75	.05	34 (2)			38		200
33	VIKING CAK & MANN E TOTAL	34076	.85	.05	28136 (2)	22866 (2)	5270	38	205161	
34	BASAL COLORADO D	456	.80	.05	347	32	315	38	12027	3606
35	BASAL COLORADO A	903	.70	.05	600			38		4636
36	MANNVILLE M	21	.65	.05	13			38		200
37	BSL COLO A & MANN M TOTAL	924	.70	.05	613	42	571	38	21801	
38	MANNVILLE Z	915	.85	.10	700	575	125	40	5100	3010
39	UPPER MANNVILLE AA	830	.85	.05	670	364	306	37	11454	1749
40	OTHER	13198			8729	1176	7553		285038	
41	TOTAL-PROVOST	50854			39498	25119	14379		549706	
42	PUSKWASKAU RIVER (SA) 074-01W6									
43	LEDUC 20-073-01	556	.65	.15	307		307	60	18561	200
44	OTHER	662			447		447		17334	
45	TOTAL-PUSKWASKAU RIVER	1218			754		754		35895	
46	PYRAMID 105-10W6									
47	TOTAL-PYRAMID	50			33		33		1321	
48	QUEENSTOWN 019-21W4									
49	TOTAL-QUEENSTOWN	177			120		120		4570	
50	QUIGLEY (SA) 083-14W4									
51	TOTAL-QUIGLEY	2			1		1		37	
52	QUIRK CREEK 021-04W5									
53	RUNDLE A	13000	.80	.25	7800	5100	2700	40 (1)	109161	2250
54	RUNDLE E	1851	.50	.25	694	180	514	40	20781	561

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
10.64	.075	.60	16134	73	.835	.69	2013.9	1958	1982	TCPL PRODUCTION DECLINE	2
											3
											4
											5
5.28	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	6
										DECLINE	7
1.77	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	8
.70	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	9
.73	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	10
								1904	1983	KANNGAZ PANALTA TCPL	11
1.51	.216	.60	5690	27	.899	.57	630.0	1939	1982	PANALTA TCPL PART OF 2WS POOL NO.1	12
5.03	.180	.65	10760	28	.823	.60	832.8	1941	1984	MATERIAL BALANCE	13
6.98	.200	.70	10690	31	.816	.61	970.2	1940	1966	TCPL	14
2.79	.250	.50	10800	35	.828	.63	995.2	1958	1977	TCPL MATERIAL BALANCE	15
4.12	.080	.75	10980	38	.820	.82	1200.0	1940	1973	TCPL	16
											17
											18
											19
4.81	.146	.75	17650	77	.822	.71	1881.5	1978	1984	PANALTA	20
5.46	.121	.70	17440	74	.870	.62	1931.7	1976	1982		21
5.70	.133	.70	18940	83	.936	.65	2049.7	1980	1984		22
3.94	.140	.70	19230	83	.917	.59	2066.3	1982	1984		23
											24
											25
											26
											27
											28
3.60	.280	.70	2340	14	.950	.57	306.2	1971	1980		29
						.60		1946	1982	MATERIAL BALANCE CONCURRENT PRODUCTION	30
1.62	.220	.41	5890	29	.890	.60	765.0	1946	1982	MATERIAL BALANCE CONCURRENT PRODUCTION	31
5.86	.200	.70	6070	31	.880	.60	944.3	1963	1976	MATERIAL BALANCE	32
								1946	1982	CWNGNUL PANALTA TCPL	33
1.10	.250	.70	6310	33	.886	.60	983.6	1951	1977	PROGAS TCPL	34
2.53	.200	.60	6130	34	.885	.62	928.8	1963	1984		35
1.24	.200	.70	5900	35	.895	.61	930.9	1976	1984		36
								1975	1984	TCPL	37
2.38	.330	.60	7790	33	.852	.63	1063.9	1949	1980	LOC U TCPL MATERIAL BALANCE	38
1.67	.240	.65	9280	37	.834	.65	1074.0	1975	1981	CWNGNUL MATERIAL BALANCE	39
											40
											41
											42
18.07	.070	.30	28800	81	.842	.98	2983.5	1980	1983	BER	43
											44
											45
											46
											47
											48
											49
											50
											51
											52
43.39	.080	.30	15720	49	.745	.77	1921.5	1967	1984	TCPL MATERIAL BALANCE TOP/BASE TVD	53
34.51	.063	.30	18550	73	.804	.75	2799.9	1973	1984	TCPL TOP/BASE TVD	54

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 QUIRK CREEK 021-04W5 (CONTINUED)									
2 RUNDLE 15-021-05	803	.80	.25	482		482	40	19487	200
3 OTHER	1545			610	158	452		17345	
4 TOTAL-QUIRK CREEK	17199			9586	5438	4148		166774	
5 RACOSTA 031-11W4									
6 TOTAL-RACOSTA	383			253	26	227		8516	
7 RADWAY 059-20W4									
8 TOTAL-RADWAY	513			344	1	343		12835	
9 RAINBOW 110-06W6									
10 BLUESKY A	6089	.70	.05	4049			37		51963
11 BLUESKY A	1097	.50	.05	521			37		13227
12 BLUESKY A	47	.50	.05	22			37		1259
13 BLUESKY A	82	.50	.05	39			37		1533
14 BLUESKY A	7	.70	.05	5			37		200
15 BLUESKY A	17	.70	.05	11			37		200
16 BLUESKY A	4	.70	.05	2			37		200
17 BLUESKY A	24	.70	.05	16			37		200
18 BLUESKY A	29	.70	.05	19			37		200
19 BLUESKY A	9	.70	.05	6			37		200
20 BLUESKY A TOTAL	7405	.65	.05	4690	918	3772	37	141186	
21 SLAVE POINT A	398	.85	.10	304		304	41	12519	1366
22 KEG RIVER A SOLN	3409	.88	.30	2100	1602	498	44 (1)	22370	
23 KEG RIVER B SOLN	3510	.72	.35	1643	853	790	47 (1)	37256	
24 KEG RIVER F SOLN	4293	.60	.45	1420	1349	71	46 (1)	3269	
25 KEG RIVER O SOLN	1625	.80	.25	975	802	173	47 (1)	8159	
26 KEG RIVER AA SOLN	1899	.79	.40	900	830	70	47 (1)	3301	
27 KEG RIVER II SOLN	586	.75	.30	308	147	161	47 (1)	7593	
28 KEG RIVER A ASSOC	1044	.90	.10	845	-2027	2872	44 (1)	129010	95
29 KEG RIVER F ASSOC	703	.85	.15	508	-38	546	46 (1)	25138	652
30 KEG RIVER Q	573	.85	.10	438		438	47	20656	64
31 KEG RIVER FFF	547	.90	.10	442	278	164	43 (1)	7060	64
32 OTHER	10430			5178	-681	5859		262379	
33 TOTAL-RAINBOW	36422			19751	4033	15718		679896	
34 RAINBOW SOUTH 107-09W6									
35 KEG RIVER B SOLN	1056	.80	.40	507	439	68	43 (1)	2991	
36 OTHER	6976			3468	412	3056		128780	
37 TOTAL-RAINBOW SOUTH	8032			3975	851	3124		131771	
38 RAINIER 017-15W4									
39 TOTAL-RAINIER	492			348	12	336		12766	
40 RAMBLING 090-07W6									
41 TOTAL-RAMBLING	40			26		26		1022	
42 RANFURLY 050-12W4									
43 TOTAL-RANFURLY	1792			1239	322	917		34285	
44 RASPBERRY (SA) 066-17W5									
45 TOTAL-RASPBERRY	108			77		77		2882	
46 RATZ (SA) 126-18W5									
47 TOTAL-RATZ	70			50		50		2030	
48 REAGAN 001-19W4									
49 TOTAL-REAGAN	174			82	8	74		2770	
50 RED CAP (SA) 046-20W5									
51 TOTAL-RED CAP	604			414		414		15746	
52 RED COULEE 001-17W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
33.50	.080	.80	18100	70	.801	.76	2596.6	1975	1982		2
5.37	.210	.40	2520	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	10
3.85	.210	.40	2520	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	11
1.72	.210	.40	2520	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	12
2.45	.210	.40	2520	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	13
1.60	.210	.40	2520	19	.945	.59	332.7	1972	1982	PART OF BLSKY POOL NO.1	14
3.90	.210	.40	2520	19	.945	.59	361.5	1972	1982	PART OF BLSKY POOL NO.1	15
1.50	.120	.40	2520	19	.945	.59	328.1	1972	1982	PART OF BLSKY POOL NO.1	16
4.57	.200	.50	2520	19	.945	.59	276.5	1972	1982	PART OF BLSKY POOL NO.1	17
6.90	.200	.40	2520	19	.945	.59	485.7	1980	1982	PART OF BLSKY POOL NO.1	18
2.00	.210	.40	2520	19	.945	.59	249.6	1972	1982	PART OF BLSKY POOL NO.1	19
								1972	1982	PANALTA TCPL PART OF BLSKY POOL NO.1	20
4.39	.072	.65	14130	69	.828	.70	1687.9	1966	1976		21
						.82		1965	1984		22
								1965	1984		23
						.72		1966	1984		24
								1966	1983		25
								1967	1984		26
								1967	1983		27
59.10	.110	.94	17690	75	.767	.82	1833.7	1965	1984		28
18.50	.052	.65	17100	72	.817	.72	1792.1	1966	1984		29
85.04	.073	.90	16510	76	.840	.69	1758.9	1967	1984		30
122.19	.046	.80	17690	60	.801	.70	1862.0	1967	1968		31
						.91		1966	1984		35

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	RED COULEE 001-17W4 (CONTINUED)									
2	TOTAL-RED COULEE	18			14	11	3		115	
3	RED EARTH 087-08W5									
4	TOTAL-RED EARTH	406			213		213		7898	
5	RED FISH (SA) 092-08W5									
6	TOTAL-RED FISH	27			15		15		556	
7	RED ROCK 063-07W6									
8	TOTAL-RED ROCK	1359			969	104	865		32441	
9	RED WILLOW 040-17W4									
10	VIKING A	470	.75	.05	335			38		5129
11	VIKING B	81	.75	.05	58			38		1638
12	VIKING A & B TOTAL	551	.75	.05	393	182	211	38	8056	
13	VIKING C	218	.75	.05	156			38		3290
14	VIKING D	360	.75	.05	257			38		3868
15	VIKING C & D TOTAL	578	.75	.05	413	64	349	38	13325	
16	OTHER	2316			1571	104	1467		57177	
17	TOTAL-RED WILLOW	3445			2377	350	2027		78558	
18	REDLAND 027-22W4									
19	UPPER MANNVILLE A	862	.90	.04	744	698	46	40	1842	600
20	OTHER	613			416	192	224		8793	
21	TOTAL-REDLAND	1475			1160	890	270		10635	
22	REDWATER 057-21W4									
23	UPPER VIKING A	2547	.80	.05	1940 (2)			38		48857
24	MIDDLE VIKING A	785	.80	.05	597 (2)			38		11540
25	LOWER VIKING A SOLN	48	.60	.45	16 (2)			38		
26										
27	LOWER VIKING A ASSOC	285	.80	.05	217 (2)			38		2265
28										
29	UV A & MV A & LV A TOTAL	3665	.80	.05	2770 (2)	634 (2)	2136	38	83154	
30	D-3 SOLN	7452	.62	.65	1617	1430	187	45 (1)	8540	
31	OTHER	3996			2576	352	2224		86853	
32	TOTAL-REDWATER	15113			6963	2416	4547		178547	
33	REINE (SA) 081-22W5									
34	TOTAL-REINE	37			25		25		1020	
35	RESDELN (SA) 083-06W4									
36	TOTAL-RESDELN	256			123		123		4605	
37	RETLAW 012-18W4									
38	BASAL COLORADO B	387	.85	.05	313	65	248	38	9469	2979
39	MANNVILLE K	405	.90	.15	310	41	269	37	10069	923
40	MANNVILLE Y	1030	.85	.20	700	204	496	37	18565	328
41	MANNVILLE RR	620	.85	.10	474	59	415	37	15533	2764
42	MANNVILLE B & D ASSOC	1567	.90	.05	1340			37		960
43	MANNVILLE B & D TOTAL	1567	.90	.05	1340	719	621	37	23244	
44	GLAUCONITIC 24-012-18	544	.85	.10	416		416	37	15571	200
45	MANNVILLE XXX	457	.85	.10	350	35	315	37	11790	200
46	OTHER	7770			5167	1011	4156		154752	
47	TOTAL-RETLAW	12780			9070	2134	6936		258993	
48	RIBSTONE 042-04W4									
49	COLONY C	543	.75	.05	387	56	331	37	12389	1330
50	OTHER	944			617	67	550		20584	
51	TOTAL-RIBSTONE	1487			1004	123	881		32973	
52	RICH 035-21W4									

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
											4
											5
											6
											7
											8
											9
1.41	.180	.55	6310	32	.896	.59	997.3	1955	1982		10
.69	.200	.55	6210	30	.890	.60	958.9	1959	1982		11
						.60		1955	1982	CNG PROGAS	12
1.06	.182	.55	5970	31	.896	.60	984.5	1971	1984		13
1.25	.196	.60	6100	33	.896	.60	989.4	1953	1984		14
						.60		1953	1984	DOMEDOW CNG PANALTA PROGAS TCPL	15
											16
											17
											18
3.34	.190	.70	10670	54	.849	.57	1487.0	1961	1973	CWNG CWNGNUL MATERIAL BALANCE	19
											20
											21
											22
.81	.240	.50	5240	33	.908	.60	703.8	1947	1981	PART OF VIK POOL NO.1	23
.96	.200	.60	5670	33	.892	.60	702.3	1947	1981	PART OF VIK POOL NO.1	24
						.60		1947	1982	PART OF VIK POOL NO.1 CONCURRENT	25
										PRODUCTION	26
.82	.220	.60	5450	21	.880	.60	624.8	1947	1982	PART OF VIK POOL NO.1 CONCURRENT	27
										PRODUCTION	28
								1947	1982	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.1	29
						.78		1948	1982		30
											31
											32
											33
											34
											35
											36
											37
1.15	.191	.60	8820	28	.845	.62	942.3	1960	1982	A&S TCPL	38
1.95	.222	.75	11350	30	.788	.71	1083.0	1954	1981	PANALTA TCPL	39
4.30	.260	.90	11790	35	.777	.75	1073.8	1974	1980	TCPL MATERIAL BALANCE	40
1.33	.183	.65	11800	32	.776	.69	1068.8	1964	1983	A&S TCPL	41
2.03	.221	.70	11860	35	.788	.69	1076.1	1959	1982	MATERIAL BALANCE CONCURRENT PRODUCTION	42
								1959	1982	TCPL	43
20.45	.164	.60	11420	31	.790	.66	1080.8	1981	1983		44
14.50	.180	.65	11380	31	.790	.67	1078.5	1981	1983	TCPL	45
											46
											47
											48
4.21	.289	.60	5270	23	.905	.66	645.8	1971	1982	TCPL	49
											50
											51
											52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 RICH 035-21W4 (CONTINUED)									
2 LOWER MANNVILLE A	2474	.75	.10	1670	479	1191	41	49045	6317
3 OTHER	828			523	5	518		21304	
4 TOTAL-RICH	3302			2193	484	1709		70349	
5 RICHDALE 030-12W4									
6 VIKING A	1091	.80	.05	829			37		9326
7 VIKING C	588	.80	.05	447			37		4823
8 VIKING F	136	.75	.05	97			37		440
9 VIKING A,C & F TOTAL	1815	.80	.05	1373	501	872	37	32970	
10 OTHER	3503			2356	458	1898		74056	
11 TOTAL-RICHDALE	5318			3729	959	2770		107026	
12 RICHMOND 069-19W4									
13 TOTAL-RICHMOND	95			59	41	18		673	
14 RICINUS 035-08W5									
15 CARDIUM L SOLN	595	.85	.20	405	116	289	37	10817	
16 CARDIUM W SOLN	562	.85	.25	358	32	326	37	12202	
17 CARDIUM A SOLN	3232	.85	.15	2330 (2)			37		
18 CARDIUM A ASSOC	8225	.92	.10	6810 (2)	531 (2)	8609	37	322235	2369
19 CARDIUM B ASSOC	537	(3)	(3)	334		334	40 (1)	13507	359
20 CARDIUM F SOLN	124	.75	.30	65 (2)			37		
21 CARDIUM F ASSOC	931	.80	.10	670 (2)	216 (2)	519	37	19426	602
22 CARDIUM L ASSOC	811	.85	.10	620	-68	688	37	25752	586
23 VIKING A	1209	.75	.10	816	85	731	39	28728	859
24 VIKING C	464	.85	.10	355	13	342	39	13441	200
25 UPPER VIKING 32-032-07	706	.80	.10	509		509	39	20004	200
26 FLT VIKING 01-033-07	563	.85	.10	431		431	39	16938	200
27 D-3 A	11667	.40	.40	2800	1061	1739	37	65752	1569
28 D-3 B	2246	.85	.45	1050	56	994	37	37583	440
29 OTHER	5145			3355	457	2898		110820	
30 TOTAL-RICINUS	37017			20908	2499	18409		697205	
31 RICINUS WEST 036-10W5									
32 D-3 A	48375	.90	.45	23900	17365	6535	37	247088	2591
33 OTHER	282			228	212	16		605	
34 TOTAL-RICINUS WEST	48657			24128	17577	6551		247693	
35 RIETA 059-03W4									
36 TOTAL-RIETA	86			54		54		2021	
37 RINGS 080-05W6									
38 TOTAL-RINGS	95			67		67		2617	
39 RIO BRAVO (SA) 038-17W4									
40 TOTAL-RIO BRAVO	168			111		111		4708	
41 RIVERCOURSE 047-01W4									
42 TOTAL-RIVERCOURSE	677			469	18	451		16743	
43 RIVIERE 055-27W4									
44 TOTAL-RIVIERE	291			189	11	178		7063	
45 ROCHE (SA) 067-07W5									
46 TOTAL-ROCHE	73			48		48		1779	
47 ROCHESTER 062-23W4									
48 TOTAL-ROCHESTER	611			401	80	321		12260	
49 ROCKYFORD 026-23W4									
50 UPPER MANNVILLE A	394	.85	.10	302			40		596
51 LOWER MANNVILLE A	275	.70	.10	173			40		526
52 U MANN A & L MANN A TOTAL	669	.80	.10	475	237	238	40	9532	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
3.60	.180	.70	8720	59	.865	.65	1421.9	1953	1983	DOMEDOW CNG PANALTA TCPL	2
											3
											4
											5
1.36	.198	.55	7420	35	.867	.61	931.0	1955	1984		6
1.59	.190	.50	7490	35	.873	.60	940.6	1955	1984		7
3.05	.230	.55	7380	29	.869	.60	965.0	1970	1983		8
								1955	1984	SLPETRO TCPL	9
											10
											11
											12
											13
											14
						.68		1970	1983	CNG TCPL	15
						.69		1976	1979	TCPL	16
						.88		1969	1983	CONCURRENT PRODUCTION GAS CYCLING	17
9.74	.151	.90	26880	75	.846	.88	2680.9	1969	1983	CONCURRENT PRODUCTION GAS CYCLING	18
6.39	.143	.65	27060	81	.863	.72	2649.9	1969	1984	GAS CYCLING	19
						.69		1969	1984	TCPL CONCURRENT PRODUCTION	20
9.05	.130	.85	13930	53	.785	.69	1918.1	1969	1984	TCPL CONCURRENT PRODUCTION	21
9.87	.112	.85	14120	65	.806	.68	2111.1	1970	1983	CNG TCPL	22
10.44	.092	.75	19860	70	.843	.65	2344.3	1972	1984	PANALTA PROGAS TCPL	23
14.40	.110	.75	20450	75	.855	.65	2759.1	1982	1984	TOP/BASE TVD	24
20.00	.090	.75	30345	83	.927	.69	2780.0	1978	1980		25
16.10	.098	.90	20430	77	.837	.71	2860.9	1982	1984	TOP/BASE TVD	26
35.15	.076	.90	40610	108	.914	.79	4200.4	1968	1984	A&S CNG TCPL PRODUCTION DECLINE	27
62.86	.033	.80	39970	116	.950	.82	4266.2	1972	1982	CNG	28
											29
											30
											31
124.66	.070	.90	39750	123	.973	.82	4469.0	1969	1978	A&S CNG TCPL MATERIAL BALANCE	32
											33
											34
											35
											36
											37
											38
											39
											40
											41
											42
											43
											44
											45
											46
											47
											48
											49
3.24	.182	.85	11450	42	.783	.71	1482.6	1970	1982		50
3.44	.195	.65	10680	42	.805	.67	1489.5	1970	1982		51
								1970	1982	TCPL	52

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	ROCKYFORD 026-23W4 (CONTINUED)									
2	OTHER	1114			766	8	758		30334	
3	TOTAL-ROCKYFORD	1783			1241	245	996		39866	
4	ROLLA 079-06W6									
5	TOTAL-ROLLA	143			98		98		3687	
6	ROMEO 025-04W4									
7	TOTAL-ROMEO	436			310		310		12432	
8	RONALANE 013-12W4									
9	TOTAL-RONALANE	41			29		29		1052	
10	ROSALIND 043-18W4									
11	TOTAL-ROSALIND	226			137	2	135		5010	
12	ROSEBUD 027-21W4									
13	TOTAL-ROSEBUD	139			94		94		4047	
14	ROSEVEAR 054-15W5									
15	BEAVERHILL LAKE A	7095	.90	.17	5300	2716	2584	37	96719	3201
16	BEAVERHILL LAKE B	6095	.85	.17	4300		4300	37	160949	2122
17	OTHER	167			113		113		4441	
18	TOTAL-ROSEVEAR	13357			9713	2716	6997		262109	
19	ROSSBEAR (SA) 094-14W5									
20	TOTAL-ROSSBEAR	10			6		6		225	
21	ROUSSEAU (SA) 090-01W6									
22	TOTAL-ROUSSEAU	10			6		6		236	
23	ROUTE 062-08W6									
24	TOTAL-ROUTE	201			134	6	128		4818	
25	ROWLEY 032-20W4									
26	BELLY RIVER A	609	.55	.05	318	202	116	37	4342	1280
27	PEKISKO A SOLN	614	.65	.05	378 (2)			40		
28										
29	PEKISKO A ASSOC	1409	.92	.05	1230 (2)	1095 (2)	513	40	20546	4642
30										
31	OTHER	1553			999	95	904		35883	
32	TOTAL-ROWLEY	4185			2925	1392	1533		60771	
33	ROXANA 078-19W5									
34	BELLOY A	554	.70	.10	349	1	348	39	13809	2758
35	OTHER	446			298		298		11890	
36	TOTAL-ROXANA	1000			647	1	646		25699	
37	ROYAL 053-16W4									
38	TOTAL-ROYAL	1845			1199	25	1174		46027	
39	ROYCE 084-07W6									
40	WABAMUN 02-084-07	578	.75	.10	390		390	37	14598	440
41	OTHER	260			187		187		6999	
42	TOTAL-ROYCE	838			577		577		21597	
43	RUBEN (SA) 083-03W5									
44	TOTAL-RUBEN	5			3		3		117	
45	RUMSEY 034-21W4									
46	TOTAL-RUMSEY	820			534	32	502		19711	
47	RUNDLE 065-16W4									
48	TOTAL-RUNDLE	67			38	6	32		1186	
49	RYAN (SA) 096-14W5									
50	TOTAL-RYAN	45			26		26		1022	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
11.39	.089	.85	32810	116	.997	.71	3219.2	1971	1984	DOMEDOW TCPL MATERIAL BALANCE	15
13.78	.089	.85	32810	116	.997	.71	3236.5	1974	1984	MATERIAL BALANCE	16
8.00	.306	.60	3155	21	.942	.57	679.5	1964	1982	TCPL	26
						.68		1960	1973	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION	27 28
8.38	.067	.75	10070	46	.815	.68	1345.7	1960	1973	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION	29 30
1.32	.270	.80	6840	39	.885	.61	877.0	1974	1983	PROGAS	34
15.85	.060	.70	22370	85	.900	.68	2128.4	1974	1983	BER	40

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 RYCROFT 077-04W6									
2 TOTAL-RYCROFT	618			414	180	234		9054	
3 SABBATH (SA) 106-12W6									
4 TOTAL-SABBATH	10			6		6		247	
5 SADDLE HILLS 076-08W6									
6 PADDY B	627	.70	.10	395	276	119	38	4543	1681
7 OTHER	2937			1895	121	1774		66970	
8 TOTAL-SADDLE HILLS	3564			2290	397	1893		71513	
9 SAKWATAMAU 063-14W5									
10 TOTAL-SAKWATAMAU	491			369		369		14097	
11 SALESKI 086-18W4									
12 GROSMONT A	1227	.50	.05	583	87	496	37 (1)	18476	31139
13 OTHER	363			174		174		6504	
14 TOTAL-SALESKI	1590			757	87	670		24980	
15 SALTER 027-08W5									
16 RUNDLE A	3467	.70	.25	1820		1820	39	71526	1752
17 TURNER VALLEY 026-08	1020	.85	.25	650		650	39	25545	1161
18 TOTAL-SALTER	4487			2470		2470		97071	
19 SAMSON 044-24W4									
20 TOTAL-SAMSON	1333			981	282	699		27321	
21 SANDY 082-20W4									
22 TOTAL-SANDY	15			9		9		337	
23 SANGUDO 057-06W5									
24 TOTAL-SANGUDO	449			314	1	313		12506	
25 SAPPHIRE (SA) 002-05W4									
26 TOTAL-SAPPHIRE	101			72		72		2695	
27 SARAH 066-07W5									
28 TOTAL-SARAH	107			79		79		3208	
29 SARCEE 023-04W5									
30 RUNDLE A	6743	.85	.18	4700	3105	1595	39 (1)	62684	1304
31 TOTAL-SARCEE	6743			4700	3105	1595		62684	
32 SAUNDERS 040-13W5									
33 RUNDLE B	1641	.40	.10	590	66	524	38	20399	991
34 TURNER VALLEY 219-040-13	798	.60	.10	431		431	38	16779	200
35 TOTAL-SAUNDERS	2439			1021	66	955		37178	
36 SAVANNA CREEK 014-04W5									
37 RUNDLE A	6922	.80	.20	4430	2537	1893	38	72275	4048
38 TOTAL-SAVANNA CREEK	6922			4430	2537	1893		72275	
39 SAWDY 069-22W4									
40 TOTAL-SAWDY	108			71	13	58		2162	
41 SAXON (SA) 061-24W5									
42 TOTAL-SAXON	261			183		183		6850	
43 SCANDIA 016-16W4									
44 TOTAL-SCANDIA	294			226	139	87		3391	
45 SCOLL 033-21W4									
46 TOTAL-SCOLL	222			147	19	128		5510	
47 SCULLY (SA) 100-20W5									
48 TOTAL-SCULLY	85			61		61		2215	
49 SEAL 082-14W5									

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.09	.150	.60	7020	52	.903	.61	1215.9	1972	1978	NUL A&S CWNGNUL PANALTA TCPL
13.09	.125	.30	780	9	.981	.58	238.0	1977	1982	KANNGAZ
20.73	.051	.75	26900	75	.881	.69	2669.1	1972	1984	TOP/BASE TVD
8.78	.050	.80	27030	77	.879	.69	2689.6	1972	1982	PANALTA
29.54	.080	.80	26300	81	.903	.72	3042.5	1954	1984	CWNG CWNGNUL MATERIAL BALANCE
13.58	.059	.80	32030	93	.962	.63	3547.1	1976	1984	TCPL
31.92	.062	.80	35580	115	1.037	.63	3989.8	1977	1984	TCPL
54.40	.040	.85	19070	58	.845	.64	2585.9	1954	1984	WCOAST MATERIAL BALANCE

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 SEAL 082-14W5 (CONTINUED)									
2 TOTAL-SEAL	921			574		574		22541	
3 SEDALIA 030-05W4									
4 BELLY RIVER A	1300	.50	.05	618	447	171	38	6529	6005
5 VIKING A	2029	.75	.08	1400			38		10948
6 VIKING C	2718	.80	.08	2000			38		24755
7 VIKING D	9	.70	.05	6			38		128
8 VIKING E	534	.75	.08	369			38		4929
9 UPPER MANNVILLE D	58	.75	.05	42			37		200
10 LOWER MANNVILLE B	592	.85	.05	478			37		1325
11 VIK ACDE,UMNV D&LMN B TOTAL	5940	.80	.10	4295	968	3327	38	127025	
12 OTHER	1869			1001	402	599		22678	
13 TOTAL-SEDALIA	9109			5914	1817	4097		156232	
14 SEDGEWICK 042-12W4									
15 BASAL MANNVILLE A	547	.85	.05	442			37 (1)		935
16 BASAL MANNVILLE B	66	.70	.10	41			37 (1)		40
17 BASAL MANNVILLE A & B TOTAL	613	.85	.05	483	303	180	37 (1)	6806	
18 OTHER	452			310	3	307		11627	
19 TOTAL-SEDGEWICK	1065			793	306	487		18433	
20 SEIU LAKE 025-18W4									
21 UPPER MANNVILLE A	1351	.85	.10	1034	311	723	37	27062	4822
22 OTHER	1385			929	179	750		27731	
23 TOTAL-SEIU LAKE	2736			1963	490	1473		54793	
24 SEXSMITH 074-06W6									
25 TOTAL-SEXSMITH	469			293	92	201		7528	
26 SHANE 077-02W6									
27 TOTAL-SHANE	654			499	71	428		16820	
28 SHANNON 026-06W4									
29 TOTAL-SHANNON	104			73		73		3009	
30 SHAUNICY (SA) 006-03W4									
31 TOTAL-SHAUNICY	250			200		200		7641	
32 SHAW 049-22W5									
33 RUNDLE A	2381	.40	.10	857	71	786	40	31778	2348
34 OTHER	97			66		66		2693	
35 TOTAL-SHAW	2478			923	71	852		34471	
36 SHEKILIE 117-09W6									
37 SULPHUR POINT 08-119-07	425	.85	.15	307		307	39	12065	64
38 KEG RIVER 11-118-08	988	.80	.25	593		593	43	25529	64
39 OTHER	2390			1343	16	1327		55671	
40 TOTAL-SHEKILIE	3803			2243	16	2227		93265	
41 SHETLAND 106-10W6									
42 TOTAL-SHETLAND	50			36		36		1442	
43 SHOULDICE 020-23W4									
44 GLAUCONITIC 02-020-23	492	.75	.10	332		332	38	12676	200
45 GLAUCONITIC 02-020-23	944	.70	.10	595		595	37	22497	200
46 OTHER	245			162		162		6122	
47 TOTAL-SHOULDICE	1681			1089		1089		41295	
48 SIBBALD 027-02W4									
49 VIKING A	1037	.80	.05	789	652	137	37	5128	3985
50 OTHER	1429			994	205	789		29637	
51 TOTAL-SIBBALD	2466			1783	857	926		34765	
52 SILER 057-07W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction	fraction	kPa	°C	fraction	fraction	m				
3.00	.300	.50	1370	7	.967	.56	194.5	1973	1983	CWNG CWNGNUL TCPL PRODUCTION DECLINE	4
1.72	.251	.60	6590	25	.879	.59	756.0	1954	1984	PART OF VIK POOL NO.5	5
.93	.264	.65	6480	30	.884	.60	831.3	1954	1983	PART OF VIK POOL NO.5	6
.90	.230	.50	6370	27	.880	.59	797.4	1960	1983	PART OF VIK POOL NO.5	7
1.09	.251	.60	6110	25	.883	.59	832.9	1955	1983	PART OF VIK POOL NO.5	8
1.54	.320	.75	7240	26	.871	.58	801.0	1976	1976	PART OF VIK POOL NO.5	9
2.66	.294	.65	7880	25	.856	.58	832.4	1973	1982	PART OF VIK POOL NO.5	10
								1954	1983	CWNGNUL MIP TCPL PART OF VIK POCL NO.5	11
3.34	.301	.80	6740	35	.857	.64	897.3	1954	1968		15
1.23	.301	.80	6740	35	.857	.64	888.2	1958	1982	MATERIAL BALANCE	16
								1954	1969	TCPL	17
2.07	.190	.65	9720	38	.817	.66	1325.9	1960	1984	TCPL	21
10.58	.050	.85	33270	137	1.023	.62	3973.0	1973	1984	TCPL TOP/BASE TVD	33
60.13	.098	.85	13710	66	.867	.68	1639.5	1969	1969		37
85.00	.100	.80	19860	71	.754	.85	1732.5	1983	1984		38
13.50	.250	.89	7580	41	.848	.68	1438.0	1981	1982	KANNGAZ	44
13.50	.250	.89	13640	45	.785	.67	1638.0	1981	1982	KANNGAZ	45
2.38	.221	.70	6880	31	.890	.58	763.5	1951	1973	TCPL CWNGNUL MATERIAL BALANCE	49

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 SILER 057-07W4 (CONTINUED)									
2 TOTAL-SILER	90			60		60		2220	
3 SILVER 017-28W4									
4 TOTAL-SILVER	241			174		174		6382	
5 SIMONETTE 063-26W5									
6 GETHING A	1308	.75	.10	883	172	711	39	28212	1579
7 WABAMUN A	600	.85	.35	332	138	194	40	7770	100
8 D-3 SOLN	10344	.29	.52	1530	1514	16	38 (1)	611	
9 OTHER	2776			1889	130	1759		68273	
10 TOTAL-SIMONETTE	15028			4634	1954	2680		104866	
11 SIMONETTE NORTH (SA) 064-25W5									
12 TOTAL-SIMONETTE NORTH	47			33		33		1309	
13 SINCLAIR 074-12W6									
14 PADDY A	4175	.90	.05	3570	1610	1960	38	75578	3298
15 PADDY B	968	.75	.10	653	333	320	38	12339	1728
16 PADDY D	430	.80	.10	310	27	283	36	10380	1714
17 FALHER A	2092	.85	.10	1600	515	1085	39	42641	10188
18 FALH A TIGHT SD072-13	4514	.35	.05	1500		1500	39	58950	9678
19 GETHING C	1127	.85	.05	910	28	882	36	32352	2907
20 CADOMIN A	4105	.70	.05	2730	11	2719	37	101772	12131
21 DOIG A	14784	.80	.10	11200	334	10866	38	418993	7833
22 OTHER	5944			4098	538	3560		136655	
23 TOTAL-SINCLAIR	38139			26571	3396	23175		889660	
24 SIPHON (SA) 086-10W6									
25 TOTAL-SIPHON	27			19		19		711	
26 SKARO 057-19W4									
27 TOTAL-SKARO	196			124		124		4874	
28 SKINNER 052-15W5									
29 TOTAL-SKINNER	620			395		395		14785	
30 SKIPPER (SA) 079-25W4									
31 TOTAL-SKIPPER	60			35		35		1297	
32 SLAVE 084-14W5									
33 TOTAL-SLAVE	286			199		199		7449	
34 SMITH 071-25W4									
35 TOTAL-SMITH	694			434		434		16243	
36 SMITH COULEE 004-11W4									
37 BOW ISLAND A	941	.85	.05	761	676	85	34	2959	33720
38 BOW ISLAND B	409	.85	.05	330	300	30	34	1044	3559
39 OTHER	85			54	7	47		1667	
40 TOTAL-SMITH COULEE	1435			1145	983	162		5670	
41 SMOKY (SA) 058-03W6									
42 TOTAL-SMOKY	189			135		135		5053	
43 SMOKY HEIGHTS (SA) 074-02W6									
44 TOTAL-SMOKY HEIGHTS	118			79		79		3164	
45 SNAKE (SA) 017-24W4									
46 TOTAL-SNAKE	37			23		23		861	
47 SNEDDON 080-10W6									
48 TOTAL-SNEDDON	394			278		278		10437	
49 SNIPE LAKE 071-18W5									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
											4
											5
4.97	.129	.70	19530	77	.860	.64	2525.6	1970	1984	A&S	6
47.49	.080	.85	34160	104	.868	.81	3365.0	1959	1982	MATERIAL BALANCE	7
						.82		1958	1983		8
											9
											10
											11
											12
											13
6.43	.155	.80	12700	60	.818	.68	1665.0	1978	1984	PROGAS TCPL MATERIAL BALANCE	14
6.40	.116	.75	10270	67	.854	.66	1615.3	1978	1980	PROGAS TCPL	15
3.47	.111	.55	10430	41	.797	.67	1451.7	1978	1983	PANALTA PROGAS TCPL	16
3.39	.067	.65	14130	73	.835	.67	1811.8	1977	1982	PANALTA PROGAS TCPL	17
6.82	.082	.60	14150	70	.844	.64	1821.8	1956	1981	PROGAS TCPL PANALTA	18
4.49	.102	.65	13710	73	.865	.64	1792.5	1977	1981	PANALTA PROGAS TCPL	19
6.18	.050	.60	18810	88	.912	.74	2364.4	1956	1982	PANALTA PROGAS TCPL PART OF CDM POOL NO.1	20
11.38	.100	.80	26120	101	.958	.59	2505.1	1977	1980	PANALTA PROGAS TCPL	21
											22
											23
											24
											25
											26
											27
											28
											29
											30
											31
											32
											33
											34
											35
											36
.92	.207	.70	4340	19	.919	.59	625.8	1947	1984	CMG MATERIAL BALANCE	37
.87	.240	.60	4360	24	.915	.58	648.6	1967	1972	CMG MATERIAL BALANCE	38
											39
											40
											41
											42
											43
											44
											45
											46
											47
											48
											49

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 SNIPE LAKE 071-18W5 (CONTINUED)									
2 TOTAL-SNIPE LAKE	1828			293	207	86		3605	
3 SNOWFALL (SA) 099-08W6									
4 TOTAL-SNOWFALL	13			8		8		299	
5 SOARS 059-02W4									
6 TOTAL-SOARS	219			137		137		5127	
7 SOLDAR (SA) 093-21W5									
8 TOTAL-SOLDAR	57			38		38		1422	
9 SORENSON 032-12W4									
10 TOTAL-SORENSON	174			126		126		4937	
11 SOUNDING 030-09W4									
12 TOTAL-SOUNDING	1079			721	290	431		16234	
13 SOUSA 112-05W6									
14 BLUESKY A	1856	.50	.05	882			37		22387
15 BLUESKY A	5	.65	.05	3			37		200
16 BLUESKY A	9	.65	.05	6			37		200
17 BLUESKY A	6	.65	.05	4			37		200
18 BLUESKY A	26	.65	.05	16			37		200
19 BLUESKY A	10	.65	.05	6			37		200
20 BLUESKY A	5	.65	.05	3			37		200
21 BLUESKY A	5	.65	.05	3			37		200
22 BLUESKY A	8	.65	.05	5			39		200
23 BLUESKY A TOTAL	1930	.50	.05	928	25	903	37	33799	
24 OTHER	304			205		205		8337	
25 TOTAL-SOUSA	2234			1133	25	1108		42136	
26 SPENCER 066-08W4									
27 TOTAL-SPENCER	45			25		25		925	
28 SPIERS 034-15W4									
29 TOTAL-SPIERS	928			611	99	512		19396	
30 SPIRIT RIVER 078-07W6									
31 TOTAL-SPIRIT RIVER	1101			773		773		28959	
32 SPRUCE GROVE (SA) 059-27W4									
33 TOTAL-SPRUCE GROVE	125			86		86		3187	
34 SPUR 072-02W5									
35 TOTAL-SPUR	218			141	35	106		4130	
36 ST ALBERT-BIG LAKE 053-26W4									
37 OSTRACOD A	3393	.85	.05	2740	2560	180	40 (1)	7209	3215
38 ST ALBERT BSL QTZ B	589	.85	.05	476		476	40	19064	429
39 OTHER	693			379	6	373		14939	
40 TOTAL-ST ALBERT-BIG LAKE	4675			3595	2566	1029		41212	
41 ST ANNE 054-04W5									
42 TOTAL-ST ANNE	484			329		329		12705	
43 ST PAUL 058-09W4									
44 UPPER MANNVILLE A	1104	.80	.05	839	171	668	37	25003	2030
45 OTHER	630			448	3	445		16658	
46 TOTAL-ST PAUL	1734			1287	174	1113		41661	
47 STANDARD 026-22W4									
48 VIKING A	741	.90	.05	634	88	546	37	20437	1703
49 OTHER	12			9		9		337	
50 TOTAL-STANDARD	753			643	88	555		20774	

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
3.56	.210	.40	2690	19	.945	.59	335.3	1972	1982	PART OF BLSKY POOL NO.1	14
1.00	.210	.40	2690	19	.945	.59	244.5	1972	1982	PART OF BLSKY POOL NO.1	15
2.00	.210	.40	2690	19	.945	.59	232.0	1972	1982	PART OF BLSKY POOL NO.1	16
1.30	.210	.40	2690	19	.945	.59	238.9	1972	1982	PART OF BLSKY POOL NO.1	17
5.50	.210	.40	2690	19	.945	.59	235.3	1972	1983	PART OF BLSKY POOL NO.1	18
2.10	.210	.40	2690	19	.945	.59	222.3	1972	1982	PART OF BLSKY POOL NO.1	19
.70	.293	.40	2690	19	.945	.59	262.4	1972	1982	PART OF BLSKY POOL NO.1	20
1.00	.210	.40	2690	19	.945	.59	237.5	1972	1982	PART OF BLSKY POOL NO.1	21
.93	.270	.60	2690	16	.945	.60	229.8	1972	1982	PART OF BLSKY POOL NO.1	22
								1972	1982	PANALTA PART OF BLSKY POOL NO.1	23
2.77	.207	.70	9380	48	.846	.59	1130.2	1953	1982	NORCEN PRODUCTION DECLINE	37
10.06	.200	.70	9410	49	.850	.65	1158.2	1952	1964		38
1.48	.300	.60	3280	16	.930	.58	477.3	1949	1979	LOC U PANALTA PWGE MATERIAL BALANCE	44
2.56	.200	.70	8890	30	.844	.63	1282.0	1956	1973	TCPL	48

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 STANMORE 029-11W4									
2 VIKING A&B	1654	.70	.05	1100			37		7574
3 VIKING A & B TOTAL	1654	.70	.05	1100	903	197	37	7374	
4 UPPER MANNVILLE A ASSOC	566	.85	.05	456			39		1235
5 UPPER MANNVILLE C	16	.85	.05	13			39		200
6 UPPER MANNVILLE A & C TOTAL	582	.85	.05	469	57	412	39	16192	
7 LOWER MANNVILLE D	941	.85	.05	760	549	211	39	8292	2753
8 OTHER	4448			3131	894	2237		86685	
9 TOTAL-STANMORE	7625			5460	2403	3057		118543	
10 STEELE 066-25W4									
11 TOTAL-STEELE	2156			1398	576	822		30635	
12 STEEN 108-01W6									
13 TOTAL-STEEN	481			272		272		10204	
14 STEEP BANK (SA) 094-07W4									
15 TOTAL-STEEP BANK	69			32		32		1198	
16 STEEP CREEK 066-07W6									
17 FALHER E-1	540	.85	.05	436	41	395	38	15081	440
18 CADOMIN 10-066-07	505	.85	.05	408		408	38	15577	200
19 BELLOY 26-066-07	598	.75	.05	426		426	37	15945	440
20 OTHER	1565			1092	22	1070		41378	
21 TOTAL-STEEP CREEK	3208			2362	63	2299		87981	
22 STETTLER 038-20W4									
23 TOTAL-STETTLER	1204			283	172	111		4210	
24 STETTLER NORTH 039-20W4									
25 LOWER MANNVILLE B	716	.75	.10	483	192	291	40	11873	712
26 OTHER	159			103	9	94		3819	
27 TOTAL-STETTLER NORTH	875			586	201	385		15692	
28 STETTLER SOUTH 037-20W4									
29 TOTAL-STETTLER SOUTH	232			83	17	66		2500	
30 STEVE 059-07W4									
31 TOTAL-STEVE	316			201	79	122		4566	
32 STEWART 032-28W4									
33 TOTAL-STEWART	197			126		126		4716	
34 STIMSON (SA) 015-02W5									
35 TOTAL-STIMSON	58			28		28		1100	
36 STIRLING 007-19W4									
37 BOW ISLAND A	445	.85	.05	361	312	49	34 (1)	1688	3881
38 OTHER	19			10		10		344	
39 TOTAL-STIRLING	464			371	312	59		2032	
40 STOLBERG 042-15W5									
41 RUNDLE A	2710	.50	.10	1220			38		1025
42 RUNDLE B	4022	.50	.10	1810			38		2759
43 RUNDLE C	553	.50	.10	249			38		440
44 RUNDLE D	1566	.50	.10	705			38		1794
45 RUNDLE A,B,C & D TOTAL	8851	.50	.10	3984	678	3306	38	128703	
46 RUNDLE E	1033	.45	.10	418			38		440
47 RUNDLE F	805	.45	.10	326			38		335
48 RUNDLE G	563	.50	.10	253			38		440
49 RUNDLE E,F, & G TOTAL	2401	.45	.10	997	182	815	38	31728	
50 OTHER	227			153		153		5956	
51 TOTAL-STOLBERG	11479			5134	860	4274		166387	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			
3.52	.267	.60	7310	33	.870	.61	874.5	1961	1982	MATERIAL BALANCE
								1961	1982	PROGAS SLPETRO TCPL
3.37	.200	.60	9960	34	.814	.64	1020.4	1970	1982	
1.00	.200	.40	8870	33	.815	.64	1020.5	1971	1982	
								1970	1982	TCPL OIL POOL DEPLETED
1.76	.205	.55	9450	38	.825	.79	1043.5	1970	1983	TCPL PRODUCTION DECLINE
6.40	.095	.75	31300	72	.958	.60	2408.8	1981	1981	PANALTA PROGAS
15.85	.130	.70	22400	111	.947	.70	2822.5	1978	1983	TCPL
6.70	.120	.75	29800	125	.944	.66	3191.2	1956	1982	
3.66	.213	.75	9600	54	.858	.66	1340.8	1962	1982	LOC U PWGE TCPL MATERIAL BALANCE
2.56	.204	.65	3340	27	.941	.58	785.8	1957	1973	CWNG CWNGNUL
24.06	.050	.85	31830	107	.998	.65	3252.0	1957	1984	
15.90	.047	.85	32470	112	1.045	.64	3802.0	1957	1984	
13.10	.047	.85	33290	117	1.010	.65	4115.7	1957	1984	TOP/BASE TVD
8.94	.048	.85	33400	117	1.019	.65	3961.5	1974	1984	TOP/BASE TVD
								1957	1984	PANALTA TCPL
21.30	.052	.85	31770	91	.995	.64	3386.0	1976	1984	
19.27	.058	.85	32310	94	.990	.63	3769.0	1976	1984	
12.60	.050	.85	33400	117	1.019	.65	3982.5	1974	1984	
								1976	1984	TCPL

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	STONY PLAIN (SA) 053-01W5									
2	TOTAL-STONY PLAIN	100			67		67		2683	
3	STOWE (SA) 091-01W6									
4	TOTAL-STOWE	15			9		9		337	
5	STRACHAN 037-09W5									
6	GLAUCONITIC B	808	.80	.10	581	31	550	38	20999	1669
7	GLAUCONITIC D	610	.80	.05	464	73	391	38	14928	1056
8	D-3 A	40741	.90	.25	27500	20824	6676	40	272381	1900
9	D-3 B	1099	.80	.20	704	281	423	40	17258	645
10	D-3 C	1998	.80	.20	1280	502	778	37	29416	687
11	OTHER	1195			844	34	810		30908	
12	TOTAL-STRACHAN	46451			31373	21745	9628		385890	
13	STRATHMORE 024-25W4									
14	BELLY RIVER A	1163	.80	.05	884	497	387	37 (1)	14342	2211
15	BELLY RIVER J	750	.50	.05	356	124	232	37	8598	200
16	OTHER	2988			1678	795	883		32934	
17	TOTAL-STRATHMORE	4901			2918	1416	1502		55874	
18	STROME 044-16W4									
19	MANNVILLE G	818	.75	.05	583	3	580	38	22365	1119
20	OTHER	3146			2051	184	1867		71529	
21	TOTAL-STROME	3964			2634	187	2447		93894	
22	STRY 058-13W4									
23	VIKING A	483	.80	.05	367	2	365	36	13388	9068
24	UPPER MANNVILLE A	1073	.70	.05	714	186	528	37	19763	3200
25	OTHER	2007			1407	292	1115		41674	
26	TOTAL-STRY	3563			2488	480	2008		74825	
27	STURGEON LAKE 071-23W5									
28	TOTAL-STURGEON LAKE	1913			537	48	489		18747	
29	STURGEON LAKE SOUTH 069-22W5									
30	GETHING C	216	.75	.10	145			37		200
31	GETHING D	290	.85	.10	221			37		200
32	GETHING C & D TOTAL	506	.80	.10	366	17	349	37	13063	
33	D-3 SOLN	8290	.55	.45	2510	1743	767	40	31010	
34	OTHER	2104			1135	113	1022		40012	
35	TOTAL-STURGEON LAKE SOUTH	10900			4011	1873	2138		84085	
36	SUFFIELD 018-06W4									
37	MILK RIVER A	31113	.70	.05	20690			36 (1)		246312
38										
39	MEDICINE HAT A	16495	.70	.03	11200			36 (1)		224190
40	MEDICINE HAT C	1208	.50	.03	586			36 (1)		42746
41	MEDICINE HAT D	2062	.50	.03	1000			36 (1)		46906
42	SE ALTA GAS SYS(MU) TOTAL	50878	.70	.05	33476	8025	25451	36 (1)	924126	
43	SECOND WHITE SPECKS A	15719	.75	.05	11200	2182	9018	36	327444	150856
44										
45	BOW ISLAND N	668	.80	.05	508	235	273	36	9913	2221
46	BOW ISLAND C	409	.80	.05	313	4	309	36	11220	1838
47	UPPER MANNVILLE A ASSOC	859	.85	.05	696			41		1267
48	UPPER MANNVILLE A ASSOC	40	.75	.05	28			41		200
49	UPPER MANNVILLE A TOTAL	899	.85	.05	724		724	41	29814	
50	UPPER MANNVILLE I	663	.80	.05	504	467	37	41	1524	200
51	OTHER	3694			2633	451	2182		85171	
52	TOTAL-SUFFIELD	72930			49358	11364	37994		1389212	
53	SUGDEN 062-10W4									
54	VIKING A	6769	.65	.05	4180	7	4173	36	153066	98687

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction	fraction	kPa	°C	fraction	fraction	m				
											1
											2
											3
											4
											5
4.18	.066	.70	32110	99	.979	.65	3034.8	1981	1984		6
3.63	.091	.70	31920	98	.980	.64	2949.5	1972	1984		7
112.93	.077	.90	49300	124	1.153	.76	4110.9	1967	1984	CNG TCPL MATERIAL BALANCE TOP/BASE TVD	8
51.51	.031	.80	49190	124	1.146	.74	4098.0	1969	1974	TCPL PRODUCTION DECLINE TOP/BASE TVD	9
29.08	.050	.85	31410	116	.977	.70	3712.2	1972	1975		10
											11
											12
											13
3.53	.228	.60	3190	36	.945	.60	895.7	1962	1984	CWNG CWNGNUL PRODUCTION DECLINE	14
16.00	.210	.70	3070	25	.944	.58	829.1	1975	1981	CWNGNUL PRODUCTION DECLINE	15
											16
											17
											18
6.00	.240	.74	7170	44	.887	.63	1043.3	1980	1983	A&S TCPL	19
											20
											21
											22
.96	.250	.50	4190	18	.927	.59	480.1	1949	1980	MIP PANALTA TCPL PART OF VIK POOL NO.6	23
4.00	.330	.60	4030	21	.921	.57	614.2	1970	1981	MIP TCPL	24
											25
											26
											27
											28
											29
4.94	.200	.80	13100	52	.840	.60	1435.6	1964	1982		30
6.79	.200	.80	13100	55	.850	.60	1455.1	1964	1982		31
								1964	1982	TCPL	32
						.77		1953	1976	A&S	33
											34
											35
											36
4.99	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION	37
										DECLINE	38
1.70	.170	.55	4310	17	.913	.57	487.7	1904	1982	PART OF MED HAT POOL NO.1	39
.72	.139	.60	4450	30	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	40
1.12	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	41
								1904	1983	CWNGNUL PANALTA TCPL	42
1.34	.216	.60	5690	27	.899	.57	630.0	1939	1982	LOC U CWNGNUL PANALTA TCPL PART OF 2WS	43
										POOL NO.1	44
2.33	.263	.60	7550	27	.875	.60	817.6	1970	1983	PANALTA TCPL	45
1.84	.234	.70	6890	27	.885	.63	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1	46
3.57	.240	.70	10240	30	.850	.58	940.9	1976	1984	CONCURRENT PRODUCTION	47
1.22	.240	.60	10180	31	.845	.62	927.8	1976	1984	ASSIGNED WELL 04-02-020-07 W4M	48
								1976	1984	PANALTA TCPL	49
6.48	.207	.70	10740	33	.843	.60	985.4	1974	1979	PANALTA TCPL MATERIAL BALANCE	50
											51
											52
											53
1.46	.270	.55	3040	18	.939	.57	319.0	1949	1984	CWNGNUL KANNGAZ MIP PANALTA PWGE PROGAS	54

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	SUGDEN 062-10W4 (CONTINUED)									
2										
3	COLONY D	627	.75	.05	447	146	301	37	11266	3014
4	GRAND RAPIDS A	481	.80	.05	366			37		4880
5	GRAND RAPIDS D	47	.65	.05	29			37		200
6	GRAND RAPIDS A & D TOTAL	528	.80	.05	395	121	274	37	10256	
7	OTHER	5963			3691	853	2838		106198	
8	TOTAL-SUGDEN	13887			8713	1127	7586		280786	
9	SULLIVAN LAKE 035-13W4									
10	BELLY RIVER A	509	.75	.05	363			38		2388
11	BELLY RIVER B	48	.70	.05	32			38		553
12	BELLY RIVER A&B TOTAL	557	.75	.05	395	312	83	38	3169	
13	VIKING A	297	.80	.05	226			38		3963
14	VIKING B	201	.80	.05	153			38		2268
15	VIKING C	36	.70	.05	24			38		1109
16	VIKING F	90	.70	.05	60			38		2388
17	VIKING A,B,C, & F TOTAL	624	.80	.05	463	141	322	38	12535	
18	OTHER	680			445	30	415		15921	
19	TOTAL-SULLIVAN LAKE	1861			1303	483	820		31625	
20	SUNBURST (SA) 001-18W4									
21	TOTAL-SUNBURST	8			4		4		153	
22	SUNCHILD 043-11W5									
23	ELKTON-SHUNDA A	208	.75	.10	141			40		1259
24	ELKTON-SHUNDA A	1386	.85	.10	1060			40		3077
25	ELKTON-SHUNDA A	552	.85	.10	423			40		1373
26	ELKTON-SHUNDA A TOTAL	2146	.85	.10	1624	24	1600	40	65280	
27	TOTAL-SUNCHILD	2146			1624	24	1600		65280	
28	SUNDANCE 054-21W5									
29	VIKING A	1645	.90	.05	1410	652	758	42	32344	1281
30	OTHER	417			288	18	270		10258	
31	TOTAL-SUNDANCE	2062			1698	670	1028		42602	
32	SUNDRE 034-05W5									
33	RUNDLE A SOLN	1938	.40	.50	388	386	2	39 (1)	79	
34	RUNDLE A ASSOC	589	.85	.15	425	-62	487	39 (1)	19324	673
35	OTHER	1686			872	206	666		27865	
36	TOTAL-SUNDRE	4213			1685	530	1155		47268	
37	SUNNYNOOK 026-11W4									
38	TOTAL-SUNNYNOOK	1294			921	154	767		29267	
39	SUNSET 069-19W5									
40	TOTAL-SUNSET	297			206		206		8566	
41	SUPERBA 026-03W4									
42	TOTAL-SUPERBA	459			311	35	276		11217	
43	SURMONT (SA) 084-06W4									
44	TOTAL-SURMONT	20			10		10		378	
45	SURRETTE (SA) 097-16W5									
46	TOTAL-SURRETTE	524			311		311		11942	
47	SUTTON 091-03W6									
48	GETHING 092-03	681	.80	.05	518		518	39	20357	2162
49	OTHER	300			181		181		7114	
50	TOTAL-SUTTON	981			699		699		27471	
51	SWALWELL 029-24W4									
52	VIKING A	912	.80	.10	657	560	97	37	3631	4644

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
										TCPL PART OF VIK POOL NO.6	2
3.44	.300	.75	2550	13	.943	.57	315.7	1973	1982	MIP PANALTA	3
2.12	.300	.60	2540	19	.957	.58	339.5	1971	1980		4
3.96	.300	.75	2590	18	.952	.57	320.3	1977	1983		5
								1971	1983	MIP PANALTA PROGAS TCPL	6
											7
											8
											9
4.36	.300	.50	3100	16	.936	.56	438.0	1957	1983		10
1.99	.270	.50	3050	16	.937	.56	421.9	1976	1979		11
								1957	1983	TCPL	12
.89	.265	.50	6000	30	.885	.59	956.0	1967	1983		13
1.02	.227	.60	6100	33	.886	.62	965.4	1967	1983		14
.49	.265	.40	5990	33	.888	.61	957.1	1967	1983		15
.49	.265	.45	6070	31	.883	.62	962.2	1967	1983		16
								1967	1983	TCPL	17
											18
											19
											20
											21
											22
1.07	.090	.85	26100	113	.947	.68	2922.1	1969	1977		23
2.90	.090	.85	26100	109	.933	.64	2936.3	1969	1980		24
1.95	.120	.85	26100	113	.953	.65	2922.4	1969	1977		25
								1969	1980		26
											27
											28
4.33	.148	.80	30410	91	.948	.71	2731.0	1971	1975	PANALTA	29
											30
											31
											32
						.71		1955	1982	A&S TCPL	33
4.79	.102	.82	25290	95	.895	.71	2754.8	1955	1982	A&S TCPL	34
											35
											36
											37
											38
											39
											40
											41
											42
											43
											44
											45
											46
											47
5.73	.213	.45	5640	35	.908	.57	772.6	1972	1982		48
											49
											50
											51
1.94	.154	.55	8070	39	.843	.65	1400.9	1963	1984	A&S TCPL PRODUCTION DECLINE	52

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	SWALWELL 029-24W4 (CONTINUED)									
2	PEKISKO A SOLN	120	.60	.10	65 (2)			41		
3	PEKISKO A ASSOC	948	.90	.10	768 (2)	251 (2)	582	41	23967	1992
4	OTHER	1560			922	105	817		32766	
5	TOTAL-SWALWELL	3540			2412	916	1496		60364	
6	SWAN HILLS 068-10W5									
7	BEAVERHILL LAKE C SOLN	7600	.40	.65	1064	36	1028	44 (1)	46178	
8	BEAVERHILL LAKE A&B ASSOC		.75	.35				44 (1)		
9	BEAVERHILL LAKE A&B SOLN	30400	.45	.35	8892			44 (1)		
10	BEAVERHILL LAKE A&B TOTAL	30400	.45	.35	8892	5711	3181	44 (1)	142891	
11	OTHER	110			78		78		3032	
12	TOTAL-SWAN HILLS	38110			10034	5747	4287		192101	
13	SWAN HILLS SOUTH 065-10W5									
14	BEAVERHILL LAKE A&B ASSOC		.65	.25				41 (1)		
15	BEAVERHILL LAKE A&B SOLN	16272	.65	.35	6875 (2)			41 (1)		
16	BEAVERHILL LAKE A&B TOTAL	16272	.65	.35	6875 (2)	4054 (2)	2821	41 (1)	118256	
17	OTHER	51			34		34		1273	
18	TOTAL-SWAN HILLS SOUTH	16323			6909	4054	2855		119529	
19	SWEETGRASS 001-15W4									
20	TOTAL-SWEETGRASS	81			58	13	45		1894	
21	SWIMMING 052-06W4									
22	TOTAL-SWIMMING	802			557	4	553		20974	
23	SYLVAN LAKE 037-03W5									
24	GLAUC A & SHUNDA A	6255	.95	.10	5350			41 (1)		3731
25	LOWER MANNVILLE O	57	.60	.15	29			41 (1)		200
26	GLAUC A,SHUN A&L MN O TOTAL	6312	.95	.10	5379	4588	791	41 (1)	32573	
27	LOWER MANNVILLE A	986	.90	.09	809	773	36	41 (1)	1482	1144
28	LOWER MANNVILLE C	1333	.90	.10	1090	829	261	41 (1)	10748	915
29	LOWER MANNVILLE D	367	.90	.06	310	121	189	41 (1)	7783	354
30	LOWER MANNVILLE H	850	.85	.10	651	194	457	41 (1)	18819	581
31	OSTRACOD 24-037-05	423	.85	.10	324		324	41	13582	440
32	OSTRACOD K	1145	.80	.15	778	83	695	43	29920	4541
33	OSTRACOD B	1065	.90	.12	844			41 (1)		1067
34	BASAL QUARTZ A SOLN	167	.75	.10	113			37 (1)		
35	OSTRACOD B&BSL QTZ A TOTAL	1112	.90	.10	876	269	607	37	22720	
36	JURASSIC A ASSOC	1293	.90	.10	1050		1050	38 (1)	40089	1220
37	JURASSIC L	678	.60	.15	346	35	311	38 (1)	11874	695
38	ELKTON-SHUNDA A	1465	.90	.10	1190	1110	80	41 (1)	3294	1416
39	ELKTON-SHUNDA B	1150	.85	.10	880	636	244	41 (1)	10048	829
40	SHUNDA B	687	.90	.15	527		527	41 (1)	21702	852
41	PEKISKO B SOLN	731	.60	.20	351	248	103	41 (1)	4242	
42	PEKISKO B ASSOC	521	.90	.15	397		397	41 (1)	16348	512
43	PEKISKO N	1350	.85	.05	1090	711	379	41 (1)	15607	690
44	D-3 A SOLN	425	.65	.45	152 (2)			38 (1)		
45										
46	D-3 A ASSOC	1138	.90	.11	913 (2)	296 (2)	769	38 (1)	29360	728
47										
48	OTHER	10889			6824	1066	5758		231070	
49	TOTAL-SYLVAN LAKE	32855			23937	10959	12978		521261	
50	TABER 009-17W4									
51	TOTAL-TABER	967			617	37	580		22089	
52	TABER NORTH 007-17W4									
53	TOTAL-TABER NORTH	318			162	2	160		5990	

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
						.66		1963	1984	A&S TCPL CONCURRENT PRODUCTION	2
7.27	.088	.70	10550	60	.848	.66	1630.2	1963	1984	A&S TCPL CONCURRENT PRODUCTION	3
								1959	1980	CWNGNUL PANALTA	7
								1957	1984		8
								1957	1984		9
								1957	1984	CWNGNUL	10
								1959	1984	DRY GAS BREAKTHROUGH	14
								1959	1984	DRY GAS BREAKTHROUGH	15
								1959	1984	CWNGNUL DRY GAS BREAKTHROUGH	16
9.36	.132	.70	16720	63	.785	.73	2119.0	1953	1975	MATERIAL BALANCE	24
3.66	.120	.75	8550	64	.839	.74	2119.3	1976	1979		25
								1953	1984	A&S TCPL	26
5.39	.129	.70	17060	66	.808	.70	2179.9	1955	1973	A&S TCPL	27
3.90	.133	.70	16920	66	.800	.71	2190.3	1953	1983	A&S TCPL PRODUCTION DECLINE	28
4.24	.129	.70	16620	63	.748	.67	2119.2	1960	1981	A&S TCPL MATERIAL BALANCE	29
7.08	.130	.90	16830	64	.804	.69	2113.0	1973	1979	A&S TCPL	30
4.40	.143	.80	18690	65	.823	.67	2386.3	1980	1983		31
1.47	.125	.70	18300	70	.797	.74	2350.8	1969	1982		32
4.16	.170	.70	20340	71	.834	.68	2384.9	1963	1975		33
								1964	1973		34
								1963	1984		35
6.28	.140	.70	17230	71	.825	.69	2259.5	1962	1973	A&S TCPL	36
5.27	.150	.70	16790	66	.800	.70	2211.6	1962	1983	A&S TCPL PROGAS	37
5.97	.071	.75	16720	66	.804	.70	2167.7	1955	1982	A&S TCPL MATERIAL BALANCE	38
12.58	.134	.75	17030	71	.801	.73	2146.1	1973	1982	A&S MATERIAL BALANCE	39
6.43	.095	.75	16890	66	.805	.70	2189.7	1953	1975	A&S TCPL	40
						.71		1953	1976	A&S TCPL	41
5.47	.138	.75	16960	66	.795	.71	2215.3	1953	1976	A&S TCPL	42
12.30	.090	.80	17070	71	.813	.70	2196.1	1973	1982	A&S MATERIAL BALANCE	43
						.70		1961	1979	A&S TCPL CONCURRENT PRODUCTION OIL	44
										DEPLETED	45
12.59	.072	.85	23920	99	.900	.70	2865.4	1961	1979	A&S TCPL CONCURRENT PRODUCTION OIL	46
										DEPLETED	47

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 TABER SOUTH 007-16W4									
2 BOW ISLAND A	875	.90	.05	748	173	575	37	21522	8774
3 OTHER	175			111	84	27		1011	
4 TOTAL-TABER SOUTH	1050			859	257	602		22533	
5 TALBOT LAKE (SA) 098-12W5									
6 TOTAL-TALBOT LAKE	47			36		36		1374	
7 TANGENT 080-24W5									
8 TOTAL-TANGENT	2326			1546	176	1370		51356	
9 TAR (SA) 099-13W4									
10 TOTAL-TAR	53			33		33		1235	
11 TARA (SA) 076-20W4									
12 TOTAL-TARA	10			6		6		222	
13 TATE (SA) 120-03W6									
14 TOTAL-TATE	75			48		48		1977	
15 TAWATINAW 062-22W4									
16 TOTAL-TAWATINAW	55			37	21	16		599	
17 TEEPEE 073-03W6									
18 DOIG A	897	.70	.10	565		565	38	21786	1568
19 KISKATINAW 02-074-04	411	.85	.10	316		316	37	11828	440
20 WABAMUN C	5804	.90	.10	4700	305	4395	37	164505	2584
21 OTHER	661			475	49	426		16216	
22 TOTAL-TEEPEE	7773			6056	354	5702		214335	
23 TEHZE 108-09W6									
24 TOTAL-TEHZE	427			129	62	67		2760	
25 TELFORDVILLE (SA) 050-02W5									
26 TOTAL-TELFORDVILLE	442			296		296		12223	
27 TEMPLETON 001-12W4									
28 TOTAL-TEMPLETON	152			101		101		3657	
29 THERIEN 060-09W4									
30 UPPER MANNVILLE F	657	.75	.05	468		468	37	17517	2101
31 OTHER	2201			1371	83	1288		47933	
32 TOTAL-THERIEN	2858			1839	83	1756		65450	
33 THIRD (SA) 021-27W4									
34 TOTAL-THIRD	245			166		166		6524	
35 THOMPSON LAKE 040-11W4									
36 TOTAL-THOMPSON LAKE	277			186	21	165		6395	
37 THORHILD 059-21W4									
38 SECOND WHITE SPECKS A	393	.85	.05	317	144	173	36	6282	9911
39 MANNVILLE H	741	.80	.05	563	21	542	37	20287	1926
40 OTHER	1130			717	193	524		19751	
41 TOTAL-THORHILD	2264			1597	358	1239		46320	
42 THORNBURY 078-13W4									
43 TOTAL-THORNBURY	1101			540	39	501		18750	
44 THORSBY 049-01W5									
45 GLAUCONITIC B SOLN	462	.65	.35	195 (2)			39		
46 GLAUCONITIC B ASSOC	368	.75	.10	248 (2)	60 (2)	383	39	15197	474
47 GLAUCONITIC 09-049-01	443	.85	.10	339		339	39	13452	200
48 OTHER	1800			1203	24	1179		46784	
49 TOTAL-THORSBY	3073			1985	84	1901		75433	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
1.98	.210	.65	3610	24	.937	.59	702.4	1958	1983	CWNGNUL KANNGAZ	2
3.23	.129	.80	14920	44	.783	.66	1564.7	1972	1982		18
2.78	.250	.70	18320	50	.840	.65	1926.0	1973	1973		19
19.46	.060	.80	29300	85	.968	.65	2755.0	1972	1983	TCPL	20
5.23	.306	.65	2690	21	.948	.56	363.2	1976	1983	MIP PANALTA PROGAS TCPL CWNGNUL	30
.96	.200	.50	3860	16	.920	.56	480.4	1964	1982	TCPL	38
3.90	.280	.60	5550	25	.901	.57	747.1	1964	1977	TCPL	39
						.69		1973	1984	CWNGNUL SLPETRO CONCURRENT PRODUCTION	45
6.57	.125	.70	11880	45	.787	.69	1443.0	1973	1984	CWNGNUL SLPETRO CONCURRENT PRODUCTION	46
16.19	.123	.75	12700	45	.765	.70	1467.3	1982	1983		47

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 THREE HILLS CREEK 035-25W4									
2 PEKISKO	5435	.70	.08	3500	1834	1666	42 (1)	70472	13344
3 OTHER	444			266	13	253		9379	
4 TOTAL-THREE HILLS CREEK	5879			3766	1847	1919		79851	
5 THUNDER 060-06W5									
6 TOTAL-THUNDER	166			115		115		4676	
7 TIELAND 067-04W5									
8 TOTAL-TIELAND	47			32		32		1186	
9 TIMBERWOLF 107-12W6									
10 TOTAL-TIMBERWOLF	28			20		20		779	
11 TIMEU 063-03W5									
12 TOTAL-TIMEU	189			127		127		5008	
13 TINDASTOLL 036-01W5									
14 PEKISKO 22-036-01	451	.75	.10	304		304	41	12519	440
15 OTHER	200			128		128		5400	
16 TOTAL-TINDASTOLL	651			432		432		17919	
17 TODD (SA) 009-02W5									
18 TOTAL-TODD	108			64		64		2395	
19 TOFIELD 050-19W4									
20 TOTAL-TOFIELD	603			398	26	372		13893	
21 TOLSTAD (SA) 069-04W6									
22 TOTAL-TOLSTAD	263			188		188		7232	
23 TOMATO 072-23W4									
24 TOTAL-TOMATO	300			174	68	106		3955	
25 TONY CREEK NORTH 064-21W5									
26 TOTAL-TONY CREEK NORTH	768			518	22	496		18565	
27 TORRINGTON 032-27W4									
28 TOTAL-TORRINGTON	16			9		9		337	
29 TOUCHWOOD (SA) 068-09W4									
30 TOTAL-TOUCHWOOD	12			8		8		299	
31 TRACY (SA) 095-12W6									
32 TOTAL-TRACY	20			10		10		393	
33 TRAP (SA) 017-04W5									
34 TOTAL-TRAP	207			149		149		6191	
35 TROCHU 033-22W4									
36 TOTAL-TROCHU	1475			919	246	673		28785	
37 TURIN 010-18W4									
38 MANNVILLE 15-011 ASSOC	658	.85	.15	475		475	38	18136	128
39 OTHER	3583			2320	438	1882		71436	
40 TOTAL-TURIN	4241			2795	438	2357		89572	
41 TURNER VALLEY 020-03W5									
42 RUNDLE SOLN	38317	.55	.56	9300	8847	453	41 (1)	18822	
43 RUNDLE ASSOC	41979	.90	.72	10400	10235	165	41 (1)	6856	
44 TURNER VALLEY 33-020-03	604	.80	.10	435		435	41	18074	200
45 OTHER	1730			1074	288	786		31255	
46 TOTAL-TURNER VALLEY	82630			21209	19370	1839		75007	
47 TWEEDIE 069-13W4									
48 VIKING B	711	.70	.05	473	274	199	37	7449	6545
49 GRAND RAPIDS D	943	.70	.05	627	605	22	38	856	7054

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
9.75	.054	.65	11840	70	.826	.73	1757.5	1953	1984	PANALTA PROGAS TCPL MATERIAL BALANCE	2
											3
											4
											5
											6
											7
											8
											9
											10
											11
											12
											13
8.02	.097	.75	16550	63	.798	.70	2070.8	1970	1983		14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
											31
											32
											33
											34
											35
											36
											37
17.89	.250	.90	11360	42	.803	.72	981.5	1974	1982	BER	38
											39
											40
											41
						.80		1931	1974	CWNGNUL PRODUCTION DECLINE	42
						.80		1931	1974	CWNGNUL PRODUCTION DECLINE	43
41.00	.040	.75	26850	80	.881	.72	3069.7	1981	1982		44
											45
											46
											47
1.07	.240	.65	2390	18	.948	.56	232.6	1949	1980	TCPL MATERIAL BALANCE	48
2.28	.350	.60	2220	19	.962	.56	280.7	1961	1981	TCPL PRODUCTION DECLINE	49

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	TWEEDIE 069-13W4 (CONTINUED)									
2	GLAUCONITIC A	541	.85	.05	437			38		6579
3	GLAUCONITIC D	107	.65	.05	66			38		2450
4	MCMURRAY A	266	.85	.05	215			38		4590
5	GLAUC A,D&MCMURRAY A TOTAL	914	.85	.05	718	522	196	38	7630	
6	GLAUCONITIC B	583	.75	.05	416			38		8601
7	MCMURRAY H	209	.70	.05	139			38		3649
8	GLAUC B & MCMURRAY H TOTAL	792	.75	.05	555	531	24	38	934	
9	GROSMONT A	1590	.50	.05	755	701	54	37	2021	11154
10	OTHER	3645			2231	878	1353		52352	
11	TOTAL-TWEEDIE	8595			5359	3511	1848		71242	
12	TWINING 031-24W4									
13	VIKING A	673	.80	.10	484	180	304	38	11607	4404
14	LOWER MANNVILLE A ASSOC	425	.90	.05	363 (2)			42		1714
15	RUNDLE A SOLN	5874	.65	.15	3250 (2)			42		
16	RUNDLE A ASSOC	5614	.90	.05	4800 (2)			42		21808
17	RUNDLE A & L MANN A TOTAL	11913	.80	.10	8413 (2)	2470 (2)	5943	42	251389	
18	OTHER	3368			1896	500	1396		56115	
19	TOTAL-TWINING	15954			10793	3150	7643		319111	
20	TWINING NORTH 033-24W4									
21	RUNDLE SOLN	2331	.60	.15	1189 (2)			41		
22	RUNDLE ASSOC	2592	.90	.10	2100 (2)	674 (2)	2615	41	108653	5103
23	OTHER	1441			935	48	887		34941	
24	TOTAL-TWINING NORTH	6364			4224	722	3502		143594	
25	TWO CREEK (SA) 063-16W5									
26	TOTAL-TWO CREEK	99			62		62		2530	
27	UKALTA 057-17W4									
28	ST. EDOUARD A	397	.80	.05	301	40	261	37	9769	1216
29	COLONY F	554	.80	.05	421	89	332	38	12676	2514
30	WABAMUN-GRAMINIA A	880	.75	.05	627	540	87	37 (1)	3224	2833
31	OTHER	4566			3029	234	2795		105711	
32	TOTAL-UKALTA	6397			4378	903	3475		131380	
33	UNWIN 045-02W4									
34	TOTAL-UNWIN	271			182		182		6813	
35	UTIKUMA LAKE 081-09W5									
36	KEG RIVER SAND A SOLN	1105	.70	.55	348	156	192	41	8049	
37	OTHER	598			286	35	251		10279	
38	TOTAL-UTIKUMA LAKE	1703			634	191	443		18328	
39	VALHALLA 075-10W6									
40	DOE CREEK I SOLN	564	.65	.05	349	6	343	37	12838	
41	DOE CREEK A	3948	.80	.05	3000	535	2465	37	92265	18908
42										
43	CADOMIN A	400	.85	.05	323	16	307	37	11491	200
44	HALFWAY A	1037	.75	.10	700		700	37	26201	2011
45	HALFWAY B ASSOC	1945	.80	.10	1400		1400	37	52402	2854
46	OTHER	3624			2434	220	2214		83068	
47	TOTAL-VALHALLA	11518			8206	777	7429		278265	
48	VALLEYVIEW 070-21W5									
49	TOTAL-VALLEYVIEW	118			82		82		3069	
50	VARDIE (SA) 115-08W6									
51	TOTAL-VARDIE	438			303		303		11813	
52	VAUXHALL 012-17W4									
53	GLAUCONITIC 05-012-17	662	.90	.10	536		536	37	20062	200
54	GLAUCONITIC CH 07-012-17	767	.85	.10	587		587	37	21971	200

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
2.55	.255	.50	2480	21	.947	.57	446.5	1963	1977		2
1.37	.250	.50	2480	19	.948	.58	458.4	1976	1977		3
2.11	.268	.40	2480	19	.948	.57	457.2	1961	1977		4
								1961	1983	TCPL	5
2.10	.255	.50	2480	21	.947	.57	429.8	1961	1981		6
2.09	.268	.40	2480	19	.948	.57	430.4	1961	1978		7
								1961	1981	TCPL	8
7.85	.110	.40	2480	19	.948	.57	470.2	1961	1983	TCPL PRODUCTION DECLINE	9
											10
											11
											12
1.53	.170	.65	8230	45	.814	.65	1423.1	1966	1984	A&S	13
1.65	.200	.65	11260	60	.836	.67	1626.1	1962	1977	CONCURRENT PRODUCTION	14
						.67		1952	1981	CONCURRENT PRODUCTION	15
7.41	.055	.55	11410	63	.841	.67	1622.8	1952	1981	CONCURRENT PRODUCTION	16
								1952	1981	A&S TCPL	17
											18
											19
											20
						.70		1961	1982	PROGAS TCPL CONCURRENT PRODUCTION	21
9.23	.067	.70	11410	63	.823	.70	1640.0	1961	1982	PROGAS TCPL CONCURRENT PRODUCTION	22
											23
											24
											25
											26
											27
3.49	.292	.70	4310	21	.910	.58	541.0	1954	1981	CWNGNUL PART OF ST. ED POOL NO.1	28
2.91	.281	.55	4530	19	.901	.61	560.3	1979	1983	TCPL	29
10.00	.246	.40	4140	27	.925	.57	657.5	1968	1981	TCPL PRODUCTION DECLINE	30
											31
											32
											33
											34
											35
								1963	1979	TCPL	36
											37
											38
											39
						.58		1977	1984		40
2.34	.213	.75	4260	27	.900	.65	696.5	1974	1984	CWNGNUL PANALTA PROGAS TCPL MATERIAL	41
										BALANCE	42
13.70	.160	.65	13990	71	.824	.64	1726.8	1980	1980	PANALTA	43
4.50	.085	.70	21710	86	.893	.61	2141.4	1973	1983		44
4.35	.092	.80	21300	74	.820	.72	2043.3	1978	1983	SLPETRO PART OF HALFWAY POOL NO.1	45
											46
											47
											48
											49
											50
											51
											52
16.26	.216	.70	11440	35	.785	.86	1055.2	1979	1982	PROGAS	53
14.00	.250	.80	11580	34	.783	.84	1081.5	1980	1982	PROGAS	54

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	VAUXHALL 012-17W4 (CONTINUED)									
2	OTHER	1320			979		979		36619	
3	TOTAL-VAUXHALL	2749			2102		2102		78652	
4	VEGA 061-03W5									
5	TOTAL-VEGA	282			184	6	178		7311	
6	VENTRE (SA) 009-04W4									
7	TOTAL-VENTRE	56			34		34		1273	
8	VENUS 101-09W6									
9	TOTAL-VENUS	89			63		63		2523	
10	VERDANT (SA) 029-17W4									
11	TOTAL-VERDANT	18			9		9		334	
12	VERGER 022-15W4									
13	MILK RIVER A	7865	.70	.05	5230			36 (1)		79068
14										
15	MEDICINE HAT A	8837	.70	.03	6000			36 (1)		73443
16	MEDICINE HAT C	174	.50	.03	84			36 (1)		6820
17	MEDICINE HAT D	372	.50	.03	180			36		11419
18	SE ALTA GAS SYS(MU) TOTAL	17248	.70	.05	11494	1865	9629	36 (1)	349629	
19	SECOND WHITE SPECKS A	2596	.75	.05	1850	586	1264	36	45896	27147
20	BASAL COLORADO A	620	.85	.05	501	324	177	37	6692	4076
21	MANNVILLE D ASSOC	469	.75	.05	334	26	308	39	12104	1523
22	OTHER	2530			1732	483	1249		49128	
23	TOTAL-VERGER	23463			15911	3284	12627		463449	
24	VERMILION 050-05W4									
25	TOTAL-VERMILION	120			76		76		2845	
26	VIKING-KINSELLA 047-10W4									
27	UPPER & MID VIKING A							37		194196
28	UPPER MANNVILLE YY							37		1667
29	U+M VIK A & U MANN YY TOTAL	35172	.85	.05	29000	17385	11615	37	439163	
30										
31	UPPER MANNVILLE D	608	.65	.05	375	322	53	37	1984	1272
32	UPPER MANNVILLE EE	1220	.70	.05	811	741	70	37	2620	668
33	UPPER MANNVILLE MMM	967	.75	.05	689	391	298	37	11154	3348
34	WAINWRIGHT	594	.80	.05	451	357	94	37	3518	1730
35	D-2 D	936	.70	.05	622	534	88	37 (1)	3261	3241
36	OTHER	15497			9851	2992	6859		256659	
37	TOTAL-VIKING-KINSELLA	54994			41799	22722	19077		718359	
38	VIOLET (SA) 079-02W4									
39	TOTAL-VIOLET	3			2		2		86	
40	VIRGINIA HILLS 064-13W5									
41	BELLOY A SOLN	632	.65	.30	288 (2)			39		
42	BELLOY A ASSOC	1278	.92	.15	1000 (2)	822 (2)	466	39	18491	2248
43	BEAVERHILL LAKE SOLN	6635	.36	.40	1430	1047	383	40	15339	
44	OTHER	478			336	11	325		12653	
45	TOTAL-VIRGINIA HILLS	9023			3054	1880	1174		46483	
46	VIRGO 115-06W6									
47	BLUESKY A	488	.50	.05	232			37		10470
48	BLUESKY A	14	.65	.05	9			39		200
49	BLUESKY A	154	.50	.05	73			37		200
50	BLUESKY A TOTAL	656	.50	.05	314	56	258	37	9657	
51	OTHER	3738			2023	262	1761		72526	
52	TOTAL-VIRGO	4394			2337	318	2019		82183	

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10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
3.93	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	13 14
2.78	.170	.55	4310	17	.913	.57	487.7	1904	1980	PART OF MED HAT POOL NO.1	15
.65	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.3	16
.83	.139	.60	4450	19	.921	.57	487.7	1973	1982	PART OF MED HAT POOL NO.4	17
								1904	1983	CNG PANALTA TCPL	18
1.23	.216	.60	5690	27	.899	.57	630.0	1939	1982	PANALTA TCPL PART OF 2WS POOL NO.1	19
1.32	.207	.60	8450	30	.855	.60	948.2	1959	1984	PANALTA TCPL	20
2.73	.164	.60	10410	35	.839	.60	1046.7	1970	1981	CNG OIL POOL DEPLETED	21
1.43	.230	.55	5580	24	.890	.61	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE	27
1.80	.340	.55	5580	26	.893	.61	699.5	1965	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE	28
								1917	1983	CWNGNUL KANNGAZ PANALTA TCPL PART OF VIK POOL NO.2	29 30
2.17	.280	.60	4210	27	.916	.59	751.0	1973	1976	NUL CWNGNUL MATERIAL BALANCE	31
3.87	.260	.75	4610	23	.912	.60	725.4	1955	1982	CWNGNUL TCPL MATERIAL BALANCE	32
2.97	.276	.60	5470	23	.895	.59	758.5	1949	1983		33
4.45	.259	.75	5120	29	.910	.59	704.4	1949	1981	NUL CWNGNUL TCPL MATERIAL BALANCE	34
4.43	.092	.65	4670	34	.899	.58	737.9	1960	1984	CWNGNUL TCPL PRODUCTION DECLINE	35
						.68		1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION	41
3.27	.184	.75	13440	77	.867	.68	1883.7	1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION	42
						.88		1957	1983	A&S	43
2.00	.210	.40	2690	12	.945	.73	217.9	1972	1982	PART OF BLSKY POOL NO.1	47
1.50	.250	.65	2690	12	.939	.57	224.2	1972	1982	PART OF BLSKY POOL NO.1	48
24.00	.329	.60	1590	15	.964	.73	231.0	1972	1982	PART OF BLSKY POOL NO.1	49
								1972	1982	PART OF BLSKY POOL NO.1	50

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
1	VOYAGER 045-17W5									
2	TOTAL-VOYAGER	148			91		91		3433	
3	VULCAN 016-24W4									
4	TURNER VALLEY C	1115	.60	.20	536	134	402	39	15799	1482
5	OTHER	599			406	281	125		4830	
6	TOTAL-VULCAN	1714			942	415	527		20629	
7	WABASCA (SA) 085-24W4									
8	TOTAL-WABASCA	14			6		6		220	
9	WAINWRIGHT 045-06W4									
10	VIKING	2210	.50	.05	1050			36		28723
11	COLONY R	190	.75	.05	135			35		1320
12	COLONY V	6	.70	.05	4			35		160
13	COLONY W ASSOC	1	.70	.05	1			35		52
14	COLONY G	186	.65	.05	115			35		913
15	VIK & COL G,R,V,W&EE TOTAL	2593	.55	.05	1305	128	1177	36	42961	
16	COLONY	372	.90	.05	316	113	203	35	7144	1851
17	OTHER	4760			2845	616	2229		79567	
18	TOTAL-WAINWRIGHT	7725			4466	857	3609		129672	
19	WALRUS (SA) 082-17W5									
20	TOTAL-WALRUS	71			47		47		1759	
21	WANYANDIE 060-01W6									
22	UPPER CARDIUM 03-060-01	682	.75	.10	460		460	39	18078	200
23	OTHER	862			589		589		22259	
24	TOTAL-WANYANDIE	1544			1049		1049		40337	
25	WAPITI 067-10W6									
26	FALHER C-2 ASSOC	471	.85	.10	360	206	154	37	5764	200
27	FALHER C-1	2068	.85	.05	1670	361	1309	42	55358	4328
28	FALHER D-1	2786	.85	.05	2250	251	1999	39	78561	10335
29	FLAHER E-1	1333	.75	.05	950	406	544	38	20770	440
30	FALH D TIGHT SS068-12	842	.50	.05	400		400	39	15720	4784
31	CADOMIN A	10150	.70	.05	6750	3	6747	37	252540	29274
32	NIKANASSIN #1 30-066-10	801	.75	.10	540		540	39	21222	200
33	NIKANASSIN 1&2 29-067-08	448	.85	.05	362		362	39	14227	200
34	BELLOY 33-067-07	429	.80	.10	309		309	39	12144	200
35	OTHER	11369			7757	249	7508		290379	
36	TOTAL-WAPITI	30697			21348	1476	19872		766685	
37	WAPPAU (SA) 074-11W4									
38	TOTAL-WAPPAU	22			14		14		528	
39	WARRENSVILLE (SA) 084-24W5									
40	TOTAL-WARRENSVILLE	71			43		43		1609	
41	WARSPITE 060-18W4									
42	TOTAL-WARSPITE	637			421	126	295		11545	
43	WARWICK 052-14W4									
44	UPPER MANNVILLE E	481	.75	.05	343	43	300	37	11229	1676
45	UPPER MANNVILLE G	587	.75	.05	418	356	62	37	2321	1655
46	UPPER MANNVILLE K	1150	.75	.05	820	450	370	37	13849	2217
47	OTHER	12349			8168	2961	5207		194049	
48	TOTAL-WARWICK	14567			9749	3810	5939		221448	
49	WASKAHIGAN 064-23W5									
50	DUNVEGAN A SOLN	280	.60	.10	151 (2)			41		
51	DUNVEGAN A ASSOC	516	.90	.10	418 (2)	255 (2)	314	41	12931	955
52	DUNVEGAN C SOLN	46	.65	.10	27 (2)			41		
53										

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
6.37	.101	.60	16820	64	.816	.80	1833.6	1960	1979	TCPL	4
1.04	.248	.55	5030	21	.897	.60	590.7	1953	1981		10
1.52	.210	.50	4140	23	.926	.59	593.8	1973	1981	MATERIAL BALANCE	11
.55	.260	.60	3900	22	.924	.60	598.8	1975	1979		12
.51	.200	.55	4150	22	.919	.60	600.0	1977	1979		13
1.35	.270	.70	4140	24	.920	.59	595.3	1973	1984	MATERIAL BALANCE	14
								1953	1983	CWNGNUL PANALTA TCPL KANNGAZ	15
3.35	.250	.60	3870	25	.930	.60	633.7	1952	1977		16
10.70	.200	.89	19610	92	.863	.69	2291.0	1980	1980	BER	22
6.58	.065	.60	25000	91	.920	.69	2246.4	1980	1984	TCPL PRODUCTION DECLINE	26
4.32	.090	.65	20640	83	.872	.81	2471.2	1978	1981	PANALTA PROGAS TCPL	27
3.13	.068	.70	21050	91	.909	.71	2479.5	1979	1982	PANALTA PROGAS TCPL	28
3.30	.109	.70	20232	102	.928	.70	2555.2	1979	1984	PANALTA PROGAS TCPL PRODUCTION DECLINE	29
1.92	.085	.60	21050	101	.915	.60	2426.0	1979	1981	PANALTA TCPL	30
4.37	.047	.70	21420	88	.887	.79	2805.2	1956	1983	PANALTA PROGAS TCPL PART OF CDM POOL NO.1	31
19.30	.110	.85	25000	77	.915	.61	2914.0	1980	1984		32
11.40	.110	.80	24700	69	.920	.59	2606.1	1981	1984		33
16.00	.135	.55	22930	117	.926	.68	2956.2	1980	1981		34
2.42	.300	.70	5270	24	.893	.59	677.9	1969	1982	TCPL	44
1.70	.280	.75	4930	27	.911	.57	760.5	1970	1983	TCPL PRODUCTION DECLINE	45
5.31	.360	.75	4760	30	.917	.57	702.6	1970	1984	TCPL MATERIAL BALANCE	46
						.66		1967	1983	A&S CONCURRENT PRODUCTION	50
5.12	.160	.65	10240	63	.854	.66	1546.5	1967	1983	A&S CONCURRENT PRODUCTION	51
						.66		1959	1984	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION	52 53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 WASKAHIGAN 064-23W5 (CONTINUED)									
2 DUNVEGAN C ASSOC	1000	.80	.10	720 (2)	569 (2)	178	41	7330	2341
3 DUNVEGAN B	920	.85	.10	704	426	278	41	11448	2223
4 OTHER	1040			701	57	644		25774	
5 TOTAL-WASKAHIGAN	3802			2721	1307	1414		57483	
6 WATCH 054-22W5									
7 TOTAL-WATCH	182			128		128		5030	
8 WATELET 047-26W4									
9 TOTAL-WATELET	444			291	46	245		9706	
10 WATERTON 004-01W5									
11 RUNDLE C	7143	.80	.30	4000	454	3546	38 (1)	138046	2378
12 RUNDLE D&E	19479	.80	.52	7480			38		7520
13 RUNDLE D & E TOTAL	19479	.80	.50	7480	3161	4319	38 (1)	168139	
14 RUNDLE A	1358	.80	.30	760			38 (1)		200
15 RUNDLE H	556	.85	.30	330			38 (1)		200
16 RUNDLE A & H TOTAL	1914	.80	.30	1090	152	938	38 (1)	36516	
17 RUNDLE 05-006-01	950	.75	.15	606		606	38	23592	200
18 RUNDLE-WABAMUN A	84194	.88	.34	48900	34635	14265	39 (1)	560615	5768
19 WABAMUN B	924	.85	.28	566	304	262	35	9416	386
20 WABAMUN 31-006-03	908	.85	.35	502		502	35	18042	512
21 WABAMUN 03-006-03	842	.65	.20	438		438	35	15742	200
22 OTHER	685			462	1	461		17540	
23 TOTAL-WATERTON	117039			64044	38707	25337		987648	
24 WATTS 031-16W4									
25 TOTAL-WATTS	525			337	64	273		10513	
26 WAVY LAKE 043-14W4									
27 TOTAL-WAVY LAKE	883			587	75	512		19218	
28 WAYNE-ROSEDALE 027-19W4									
29 BELLY RIVER J	28	.65	.05	17			37		200
30 BELLY RIVER K	514	.60	.05	293			37		3348
31 BELLY RIVER J & K TOTAL	542	.60	.05	310	32	278	37	10406	
32 MEDICINE HAT A	1664	.70	.03	1130			36 (1)		25841
33 SE ALTA GAS SYS (MU) TOTAL	1664	.70	.05	1130		1130	36 (1)	41030	
34 VIKING A	3437	.95	.05	3100	2510	590	37 (1)	22084	25593
35 VIKING B	676	.90	.05	563	367	196	37	7336	3280
36 GLAUCONITIC A	1050	.90	.10	851	806	45	41	1886	1625
37 GLAUCONITIC G	789	.90	.10	639	603	36	41	1509	975
38 GLAUCONITIC I	512	.85	.10	392	193	199	41	8342	200
39 GLAUCONITIC T	1847	.80	.10	1330	293	1037	41	43471	7773
40 OSTRACOD A	479	.85	.05	386	319	67	41	2809	260
41 BASAL QUARTZ E SOLN	148	.60	.10	80 (2)			41		
42 BASAL QUARTZ E ASSOC	418	.80	.10	301 (2)	53 (2)	328	41	13750	684
43 OTHER	12599			6405	1695	4710		191233	
44 TOTAL-WAYNE-ROSEDALE	24161			15487	6871	8616		343856	
45 WEALD 050-19W5									
46 TOTAL-WEALD	600			434		434		17384	
47 WEASEL 058-19W4									
48 TOTAL-WEASEL	118			72		72		2695	
49 WEASONE (SA) 062-09W5									
50 TOTAL-WEASONE	100			66		66		2470	
51 WEBSTER 074-05W6									
52 LOWER MANNVILLE A	811	.80	.15	552	49	503	36	18450	2052
53 BELLOY 04-074-05	733	.90	.10	594		594	37	22233	128

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
2.80	.140	.55	10240	63	.854	.66	1501.1	1959	1984	A&S PRODUCTION DECLINE CONCURRENT	2
2.96	.153	.55	10360	50	.818	.67	1599.3	1961	1984	A&S MATERIAL BALANCE	3
											4
											5
											6
											7
											8
											9
											10
26.88	.050	.75	36540	91	.958	.77	3549.3	1957	1984	A&S	11
19.00	.050	.80	34890	79	.827	.96	3536.3	1957	1982	MATERIAL BALANCE	12
								1957	1983	A&S	13
8.64	.050	.80	29160	74	.724	.87	2780.7	1960	1982	MATERIAL BALANCE	14
23.75	.054	.85	30230	102	.898	.83	3340.0	1960	1978		15
								1960	1978	A&S	16
52.00	.040	.80	40530	104	1.071	.78	4441.5	1981	1982	PROGAS	17
27.90	.053	.80	32960	80	.906	.84	3124.2	1959	1983	MATERIAL BALANCE GAS CYCLING	18
19.30	.053	.80	40800	101	1.061	.85	4191.3	1958	1982	A&S PROGAS MATERIAL BALANCE	19
17.89	.053	.80	27720	96	.914	.67	3710.8	1964	1982	PROGAS	20
38.30	.050	.80	35210	83	1.024	.66	3427.5	1981	1983	A&S PROGAS	21
											22
											23
											24
											25
											26
											27
											28
4.00	.260	.45	2900	18	.942	.56	505.0	1978	1980		29
3.46	.236	.60	3080	24	.942	.56	699.3	1977	1984		30
								1977	1984	TCPL	31
1.36	.170	.55	4310	17	.913	.57	487.7	1904	1981	PART OF MED HAT POOL NO.1	32
								1904	1983	TCPL	33
2.06	.200	.70	8070	38	.851	.64	1184.8	1953	1984	CWNG CWNGNUL PANALTA TCPL MATERIAL BALANCE	34
2.87	.174	.40	8070	38	.847	.64	1214.2	1954	1982	TCPL MATERIAL BALANCE	35
4.75	.198	.70	10070	42	.810	.68	1330.1	1953	1982	TCPL MATERIAL BALANCE	36
4.42	.180	.75	11107	41	.800	.67	1331.9	1957	1980	TCPL MATERIAL BALANCE	37
3.70	.198	.70	10070	44	.820	.67	1346.9	1957	1982	TCPL MATERIAL BALANCE	38
2.30	.177	.55	9670	40	.828	.64	1282.0	1966	1984	TCPL PART OF GLAUC POOL NO.4	39
5.24	.200	.65	10100	46	.825	.67	1339.8	1962	1981	TCPL MATERIAL BALANCE	40
						.70		1959	1983	TCPL CONCURRENT PRODUCTION	41
6.20	.167	.50	10340	38	.801	.70	1341.0	1959	1983	TCPL CONCURRENT PRODUCTION	42
											43
											44
											45
											46
											47
											48
											49
											50
											51
3.38	.140	.55	14690	75	.800	.76	1665.1	1973	1977	CWNGNUL TCPL	52
21.89	.200	.70	19240	71	.851	.71	2068.4	1973	1982	TCPL	53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m³	TJ	ha
1 WEBSTER 074-05W6 (CONTINUED)									
2 OTHER	648			476	179	297		11118	
3 TOTAL-WEBSTER	2192			1622	228	1394		51801	
4 WELLBURN 009-18W4									
5 TOTAL-WELLBURN	78			50	25	25		908	
6 WEMBLEY 073-08W6									
7 HALFWAY B ASSOC	2639	.80	.10	1900		1900	37	71117	3437
8 DOIG 04-073-08	546	.75	.15	348		348	34	11982	200
9 OTHER	794			546		546		19089	
10 TOTAL-WEMBLEY	3979			2794		2794		102188	
11 WERNER 034-12W4									
12 TOTAL-WERNER	122			82		82		3192	
13 WEST COVE 055-06W5									
14 TOTAL-WEST COVE	596			388		388		16018	
15 WEST DRUMHELLER 030-21W4									
16 TOTAL-WEST DRUMHELLER	1253			312	39	273		11063	
17 WESTEEN (SA) 006-15W4									
18 TOTAL-WESTEEN	13			8		8		299	
19 WESTEROSE 046-28W4									
20 D-3 SOLN	5146	.71	.15	3106 (2)			39 (1)		
21 D-3 ASSOC	3751	.90	.15	2870 (2)	2087 (2)	3889	39 (1)	152838	511
22 OTHER	711			461	17	444		17728	
23 TOTAL-WESTEROSE	9608			6437	2104	4333		170566	
24 WESTEROSE SOUTH 044-01W5									
25 GLAUCONITIC A	23810	.70	.10	15000	1572	13428	38	512681	24000
26 D-3 A	51069	.88	.15	38200	36086	2114	39 (1)	83884	4770
27 OTHER	2031			1320	9	1311		51826	
28 TOTAL-WESTEROSE SOUTH	76910			54520	37667	16853		648391	
29 WESTLOCK 059-26W4									
30 VIKING U	385	.85	.04	315	13	302	39	11983	5538
31 VIKING							39		33962
32 VIKING B	526	.80	.05	399			39		8596
33 VIKING I							39		4811
34 VIKING J							39		400
35 VIKING K							39		2531
36 VIKING L							39		1893
37 VIKING M							39		916
38 VIKING N							39		6992
39 VIKING O							39		1457
40 VIKING P							39		1461
41 VIKING Q							39		200
42 VIK,VIK BIJKLMNOP & Q TOTAL	13377	.95	.05	12200	9236	2964	39	117612	
43 LOWER MANNVILLE B	507	.75	.10	342	140	202	41 (1)	8318	1993
44 OTHER	2754			1930	316	1614		65717	
45 TOTAL-WESTLOCK	17023			14787	9705	5082		203630	
46 WESTPEM 049-13W5									
47 BLUERIDGE 14-049-13	448	.80	.15	305		305	39	11987	200
48 NISKU E	1160	(3)	(3)	709		709	44 (1)	31735	70
49 OTHER	1649			1036	-281	1317		51654	
50 TOTAL-WESTPEM	3257			2050	-281	2331		95376	
51 WESTWARD HO 033-04W5									
52 TOTAL-WESTWARD HO	1118			183	134	49		1922	
53 WETASKIWIN 045-24W4									

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
											1
											2
											3
											4
											5
											6
4.90	.092	.80	21300	74	.820	.72	2043.3	1978	1983	PROGAS SLPETRO PART OF HALFWAY POOL NO.1	7
22.21	.080	.80	20850	87	.858	.85	2130.9	1980	1981		8
											9
											10
											11
											12
											13
											14
											15
											16
											17
											18
											19
						.76		1952	1984	TCPL CONCURRENT PRODUCTION	20
57.35	.080	.90	17470	64	.830	.76	2147.2	1952	1984	TCPL CONCURRENT PRODUCTION	21
											22
											23
											24
9.37	.114	.55	16600	73	.808	.72	1851.2	1977	1984	PROGAS TCPL	25
75.90	.085	.90	18960	83	.801	.84	2328.7	1954	1982	A&S TCPL MATERIAL BALANCE GAS CYCLING	26
											27
											28
											29
.98	.199	.60	5820	37	.897	.61	794.3	1959	1984		30
2.16	.192	.65	5820	37	.897	.61	776.8	1949	1984	MATERIAL BALANCE	31
.85	.190	.65	5640	33	.900	.60	712.9	1972	1984		32
1.50	.203	.65	5820	37	.897	.61	759.4	1984	1984	MATERIAL BALANCE	33
1.25	.206	.60	5820	37	.897	.61	767.2	1955	1984	MATERIAL BALANCE	34
1.02	.190	.60	5820	37	.897	.61	748.7	1949	1984	MATERIAL BALANCE	35
.62	.130	.50	5820	37	.897	.61	783.8	1984	1984	MATERIAL BALANCE	36
.77	.190	.65	5820	37	.897	.61	724.1	1961	1984	MATERIAL BALANCE	37
.81	.162	.55	5820	37	.897	.61	784.2	1953	1984	MATERIAL BALANCE	38
.52	.190	.50	5820	37	.897	.61	762.5	1975	1984	MATERIAL BALANCE	39
1.32	.191	.65	5820	37	.897	.61	734.2	1959	1984	MATERIAL BALANCE	40
1.20	.192	.65	5820	37	.897	.61	718.7	1961	1984	MATERIAL BALANCE	41
								1949	1984		42
2.91	.207	.60	6670	36	.874	.62	955.5	1951	1982	CWNGNUL TCPL NORCEN	43
											44
											45
											46
10.47	.090	.80	39720	91	1.045	.78	3103.0	1980	1981		47
36.51	.106	.90	39720	106	1.083	1.26	3148.9	1978	1982	BER GAS CYCLING	48
											49
											50
											51
											52
											53

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1	WETASKIWIN 045-24W4 (CONTINUED)									
2	TOTAL-WETASKIWIN	136			90		90		3369	
3	WHISKEY 022-05W5									
4	RUNDLE A	2648	.40	.15	900	3	897	41 (1)	37270	440
5	PALLISER 04-022-05	2060	.65	.65	469		469	37	17555	200
6	OTHER	1207			157		157		6066	
7	TOTAL-WHISKEY	5915			1526	3	1523		60891	
8	WHITE ROSE (SA) 118-01W6									
9	TOTAL-WHITE ROSE	5			3		3		118	
10	WHITECOURT 060-11W5									
11	CAD A & JUR E	2222	.85	.10	1700			40		1879
12	CADOMIN A&JURASSIC E TOTAL	2222	.85	.10	1700	1124	576	40	23069	
13	JURASSIC C	3421	.80	.05	2600	1229	1371	40	54909	699
14	JURASSIC D	417	.80	.10	300	171	129	40	5166	1172
15	PEKISKO E	4442	.80	.10	3199	1036	2163	40	86520	6285
16	OTHER	1913			1336	169	1167		46467	
17	TOTAL-WHITECOURT	12415			9135	3729	5406		216131	
18	WHITEHORSE 049-15W5									
19	NISKU 18-050-15	899	.85	.05	726		726	39	28532	128
20	NISKU 20-050-15	814	.80	.10	586		586	39	23030	200
21	OTHER	1180			856	13	843		33791	
22	TOTAL-WHITEHORSE	2893			2168	13	2155		85353	
23	WHITELAW 082-02W6									
24	SPIRIT RIVER F	310	.80	.05	235			38		1629
25	SPIRIT RIVER G	261	.65	.05	161			38		2119
26	SPIRIT RIVER H	185	.65	.05	114			38		1668
27	SPIRIT RIVER FG & H TOTAL	756	.70	.05	510	184	326	38	12447	
28	BLSKY A & GETHING A	828	.75	.05	590			38		4430
29	BLSKY A & GETH A TOTAL	828	.75	.05	590	145	445	38	16990	
30	GETHING B	598	.80	.05	454	248	206	38	7865	1626
31	TRIASSIC A	586	.90	.05	501		501	40	20441	780
32	OTHER	890			563	63	500		19673	
33	TOTAL-WHITELAW	3658			2618	640	1978		77416	
34	WHITEMUD 051-25W4									
35	TOTAL-WHITEMUD	161			106		106		4563	
36	WHITFORD 058-16W4									
37	VIKING A	1303	.80	.05	990	30	960	37	35933	16299
38	ST.EDOUARD B	526	.80	.05	400	29	371	37	13887	861
39	OTHER	1870			1201	233	968		36270	
40	TOTAL-WHITFORD	3699			2591	292	2299		86090	
41	WIDEWATER (SA) 073-08W5									
42	TOTAL-WIDEWATER	93			61		61		2338	
43	WILD HORSE CREEK 031-10W5									
44	RUNDLE A	2084	.45	.20	750	571	179	37	6768	668
45	TOTAL-WILD HORSE CREEK	2084			750	571	179		6768	
46	WILD RIVER 056-24W5									
47	WABAMUN A	656	.85	.10	502		502	38	19166	64
48	IRETON A	627	.90	.05	536		536	37	20062	200
49	LEDUC 16-056-23	836	.80	.05	635		635	37	23533	200
50	OTHER	1488			1024		1024		41815	
51	TOTAL-WILD RIVER	3607			2697		2697		104576	
52	WILDCAT HILLS 027-06W5									
53	RUNDLE A	29412	.88	.15	22000	14137	7863	38 (1)	306107	4062

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10	11	12	13	14	15	16	17	18	19	20	
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
											2
											3
41.50	.076	.75	26300	77	.840	.75	3531.9	1968	1984	TCPL TOP/BASE TVD	4
46.25	.090	.70	32090	85	.721	.98	3803.5	1980	1983	BER	5
											6
											7
											8
											9
											10
5.38	.168	.50	12830	66	.855	.65	1527.1	1962	1983	MATERIAL BALANCE	11
								1962	1983	TCPL	12
2.79	.160	.45	12690	60	.846	.64	1532.8	1968	1984	TCPL PRODUCTION DECLINE	13
5.58	.150	.35	12170	66	.841	.67	1549.0	1965	1982	PROGAS TCPL	14
8.79	.098	.65	12790	66	.850	.65	1580.2	1963	1984	PANALTA PROGAS TCPL	15
											16
											17
											18
56.74	.060	.85	31610	100	.993	.62	3374.5	1980	1982	PROGAS	19
21.45	.089	.89	29120	87	.971	.60	3276.5	1981	1981	PROGAS TCPL	20
											21
											22
											23
2.29	.250	.50	6410	33	.896	.57	716.0	1951	1980		24
2.02	.230	.50	5140	30	.913	.57	620.6	1977	1978		25
1.25	.280	.50	6100	33	.900	.57	683.7	1977	1982		26
								1951	1980	A&S PANALTA TCPL	27
1.92	.176	.65	7860	30	.867	.58	857.7	1950	1980		28
								1950	1980	A&S CWNGNUL TCPL	29
3.65	.190	.65	7540	33	.860	.61	876.9	1959	1982	A&S CWNGNUL TCPL	30
3.51	.210	.70	9860	40	.820	.58	997.3	1950	1973	NUL CWNGNUL	31
											32
											33
											34
											35
											36
1.23	.260	.55	4240	18	.912	.59	468.2	1949	1984	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6	37
5.76	.289	.80	4340	21	.915	.58	521.9	1972	1981	TCPL PART OF ST. ED POOL NO.3	38
											39
											40
											41
											42
											43
26.69	.077	.85	21720	62	.861	.67	2164.5	1960	1984	A&S TCPL MATERIAL BALANCE TOP/BASE TVD	44
											45
											46
127.10	.036	.80	42540	127	1.080	.71	3611.3	1968	1983	BER	47
10.18	.140	.90	37820	138	1.070	.57	3950.2	1972	1975	BER	48
27.00	.070	.80	40600	110	1.091	.57	4172.1	1980	1982	BER	49
											50
											51
											52
43.30	.073	.85	26960	84	.912	.70	2982.0	1958	1984	A&S MATERIAL BALANCE TOP/BASE TVD	53

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
	$10^6 m^3$	fraction			$10^6 m^3$		MJ/m^3	TJ	ha
1 WILDCAT HILLS 027-06W5 (CONTINUED)									
2 TOTAL-WILDCAT HILLS	29412			22000	14137	7863		306107	
3 WILDMERE 048-05W4									
4 TOTAL-WILDMERE	6648			4425	719	3706		134026	
5 WILDUNN CREEK 029-14W4									
6 VIKING B	619	.70	.05	411	140	271	38 (1)	10450	2158
7 OTHER	313			182	85	97		3748	
8 TOTAL-WILDUNN CREEK	932			593	225	368		14198	
9 WILDWOOD 054-09W5									
10 TOTAL-WILDWOOD	468			320		320		12197	
11 WILKINS 042-08W4									
12 TOTAL-WILKINS	154			102		102		3857	
13 WILLESDEN GREEN 042-07W5									
14 BELLY RIVER J SOLN	9	.60	.40	3 (2)			40		
15 BELLY RIVER J ASSOC	563	.80	.10	405 (2)	12 (2)	396	40	15860	1080
16 BELLY RIVER E	774	.80	.10	557		557	40	22308	1451
17 CARDIUM A ASSOC	983	.85	.10	752 (2)			38 (1)		4154
18 CARDIUM A ASSOC	978	.85	.10	748 (2)			38 (1)		4552
19 CARDIUM A PRIMARY SOLN	2816	.70	.45	1084 (2)			38 (1)		
20 CARDIUM A WATERFLOOD SOLN	12030	.27	.60	1300 (2)			38 (1)		
21 CARDIUM A MISCIBLE SOLN	6198	.48	.60	1190 (2)			38 (1)		
22 CARDIUM A TOTAL	23005	.45	.50	5074 (2)	1697 (2)	3377	38 (1)	131467	
23 GLAUCONITIC C	6349	.70	.10	4000	2	3998	41	164638	7096
24 GLAUCONITIC 28-039-05	422	.90	.15	323		323	41	13301	440
25 ELLERSLIE 28-039-05	698	.85	.20	475		475	40	19204	400
26 LOWER MANNVILLE33-043-06	459	.90	.15	351		351	41	14454	200
27 OTHER	7115			4159	315	3844		154686	
28 TOTAL-WILLESDEN GREEN	39394			15347	2026	13321		535918	
29 WILLINGDON 055-15W4									
30 VIKING A	424	.80	.05	322			36		10815
31 VIKING B	8	.75	.05	6			36		200
32 VIKING A & B TOTAL	432	.80	.05	328	98	230	36	8436	
33 OTHER	5396			3643	1393	2250		83334	
34 TOTAL-WILLINGDON	5828			3971	1491	2480		91770	
35 WILLOW 028-17W4									
36 TOTAL-WILLOW	596			408	121	287		10988	
37 WILSON CREEK 043-04W5									
38 PEKISKO A	1051	.85	.10	803	397	406	41 (1)	17020	2397
39 BANFF A	499	.90	.10	406	24	382	41 (1)	16013	440
40 OTHER	167			119	2	117		4833	
41 TOTAL-WILSON CREEK	1717			1328	423	905		37866	
42 WIMBORNE 034-26W4									
43 D-3 A SOLN	3090	.27	.32	567 (2)			37 (1)		
44 D-3 A ASSOC	10157	.85	.25	6480 (2)	4690 (2)	2357	37 (1)	88223	6048
45 OTHER	1299			679	168	511		19851	
46 TOTAL-WIMBORNE	14546			7726	4858	2868		108074	
47 WINAGAMI 077-18W5									
48 TOTAL-WINAGAMI	60			40		40		1497	
49 WINCHELL COULEE 029-06W5									
50 TOTAL-WINCHELL COULEE	53			35		35		1310	
51 WINDFALL 060-15W5									
52 VIKING A	507	.80	.05	385	6	379	38	14614	3242

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
2.29	.251	.60	7790	33	.871	.58	948.7	1953	1981	KANNGAZ TCPL	6
						.66		1972	1984	CONCURRENT PRODUCTION OIL DEPLETED	14
4.63	.150	.75	9130	41	.828	.66	1532.2	1972	1984	CONCURRENT PRODUCTION OIL DEPLETED	15
6.12	.145	.50	10550	46	.782	.70	1543.2	1959	1984	A&S	16
1.93	.112	.50	20170	58	.791	.73	1783.1	1954	1984		17
2.92	.097	.35	19830	58	.786	.75	1829.9	1954	1984	CONCURRENT PRODUCTION	18
								1954	1984		19
								1954	1977		20
								1956	1977		21
								1954	1984	A&S PROGAS TCPL	22
5.59	.106	.65	25500	85	.872	.73	2384.5	1978	1984	KANNGAZ PROGAS TCPL	23
3.74	.125	.80	24470	61	.812	.77	2291.9	1982	1984		24
8.14	.111	.75	24980	63	.821	.76	2324.7	1982	1984		25
11.10	.120	.80	21210	68	.822	.73	2245.5	1975	1978		26
.90	.189	.50	4310	19	.911	.60	510.8	1949	1983	PART OF VIK POOL NO.6	30
.70	.230	.55	4420	18	.908	.59	512.8	1980	1980	PART OF VIK POOL NO.6	31
								1949	1983	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6	32
5.67	.059	.75	19270	87	.871	.68	2146.7	1960	1972	A&S PROGAS TCPL	38
12.74	.067	.75	18170	74	.842	.69	2195.8	1961	1973	A&S	39
						.78		1956	1973	TCPL CONCURRENT PRODUCTION	43
11.92	.078	.90	20750	80	.834	.78	2281.4	1956	1973	TCPL CONCURRENT PRODUCTION	44
1.71	.084	.80	10820	48	.833	.63	1571.9	1955	1978	PROGAS	52

TABLE 4-5 (continued) RESERVES OF GAS

	POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE $10^6 m^3$	2 POOL RECOVERY fraction	3 SURFACE LOSS fraction	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES $10^6 m^3$	5 NET CUMULATIVE PRODUCTION $10^6 m^3$	6 REMAINING ESTABLISHED RESERVES $10^6 m^3$	7 GROSS HEATING VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
1	WINDFALL 060-15W5 (CONTINUED)									
2	RUNDOLE C	551	.85	.10	417	170	247	40	9986	3411
3	WINTERBURN 23-060-16	630	.80	.10	454		454	41	19032	128
4	D-3 A SOLN	3427	.40	.35	891 (2)			40 (1)		
5	D-3 A ASSOC	19211	.87	.30	11700 (2)	4367 (2)	8224	40 (1)	332496	4595
6	OTHER	3582			2318	403	1915		77619	
7	TOTAL-WINDFALL	27908			16165	4946	11219		453747	
8	WINDY 049-04W4									
9	TOTAL-WINDY	130			81	2	79		2808	
10	WINTERING HILLS 025-17W4									
11	MILK RIVER A	1940	.70	.05	1290			36 (1)		22242
12										
13	MEDICINE HAT A	5862	.70	.03	3980			36		55734
14	SE ALTA GAS SYS(MU) TOTAL	7802	.70	.05	5270	107	5163	36 (1)	187469	
15	GLAUCONITIC 024-17	416	.90	.20	300		300	40	12240	1590
16	ELLERSLIE A ASSOC	1698	.80	.05	1290 (2)	26 (2)	1264	40	51571	3535
17	OTHER	4719			3129	789	2340		93479	
18	TOTAL-WINTERING HILLS	14635			9989	922	9067		344759	
19	WIZARD LAKE 048-27W4									
20	D-3 A SOLN	6758	.95	.13	5585	4555	1030	46	48194	
21	OTHER	1002			646	-5418	6064		282250	
22	TOTAL-WIZARD LAKE	7760			6231	-863	7094		330444	
23	WOKING 075-05W6									
24	TOTAL-WOKING	2069			1284	444	840		32737	
25	WOLF 054-16W5									
26	TOTAL-WOLF	181			118		118		4417	
27	WOLF SOUTH 051-15W5									
28	ROCK CREEK 11-051-15	603	.80	.05	458		458	40	18343	200
29	OTHER	296			198		198		7872	
30	TOTAL-WOLF SOUTH	899			656		656		26215	
31	WOLVERINE 098-06W5									
32	TOTAL-WOLVERINE	170			100		100		3965	
33	WOOD RIVER 043-23W4									
34	LOWER MANNVILLE B	545	.80	.10	392	225	167	41	6877	394
35	OTHER	2934			1979	239	1740		69655	
36	TOTAL-WOOD RIVER	3479			2371	464	1907		76532	
37	WOODEN HOUSE (SA) 087-22W4									
38	TOTAL-WOODEN HOUSE	266			121		121		4826	
39	WOODLAND 060-19W4									
40	TOTAL-WOODLAND	270			171		171		6615	
41	WOOLFORD (SA) 003-24W4									
42	TOTAL-WOOLFORD	53			22		22		823	
43	WORKMAN (SA) 031-26W4									
44	TOTAL-WORKMAN	30			15		15		572	
45	WORSLEY 087-07W6									
46	D-3 A	761	.85	.07	600	514	86	35 (1)	3058	1367
47	D-3 B	827	.90	.07	692	679	13	35 (1)	462	1726
48	D-3 D	1619	.85	.07	1280	1202	78	35 (1)	2774	440
49	D-3 E	783	.80	.05	620	561	59	35 (1)	2098	440
50	D-3 G	1900	.40	.05	722	685	37	35 (1)	1316	1351
51	D-3 I	394	.85	.05	318	58	260	35 (1)	9246	200
52	GRANITE WASH A	851	.85	.10	651	413	238	35	8463	128

AND BASIC DATA, AS AT 31 DECEMBER 1984

10 AVERAGE PAY THICKNESS	11 POROSITY	12 GAS SATURATION	13 INITIAL PRESSURE	14 TEMP	15 COMPRESS	16 RAW GAS RELATIVE DENSITY	17 MEAN FORMATIONAL DEPTH	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS	
m	fraction		kPa	°C	fraction		m				
											1
1.70	.075	.80	16720	79	.852	.66	1908.0	1956	1978	PANALTA PROGAS	2
42.25	.060	.90	24260	85	.892	.71	2439.3	1978	1982		3
						.81		1955	1984	CONCURRENT PRODUCTION GAS CYCLING	4
32.92	.063	.85	26100	104	.830	.81	2582.9	1955	1984	CONCURRENT PRODUCTION GAS CYCLING	5
											6
											7
											8
											9
											10
3.45	.154	.55	3140	16	.938	.58	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE	11
											12
2.43	.170	.55	4310	17	.913	.57	487.7	1904	1980	PART OF MED HAT POOL NO.1	13
								1904	1983	KANNGAZ PROGAS TCPL PANALTA	14
1.24	.229	.65	9810	33	.643	.83	1169.4	1979	1982		15
4.49	.182	.55	9690	38	.829	.65	1173.6	1963	1981	PART OF ELRSL POOL NO.1	16
											17
											18
											19
								1951	1983		20
											21
											22
											23
											24
											25
											26
											27
11.80	.150	.85	21230	70	.878	.59	2600.6	1981	1983		28
											29
											30
											31
											32
											33
5.24	.156	.70	10470	51	.803	.70	1418.5	1958	1979	TCPL MATERIAL BALANCE	34
											35
											36
											37
											38
											39
											40
											41
											42
											43
											44
											45
8.53	.059	.80	22820	85	.896	.68	2253.1	1960	1969	MATERIAL BALANCE	46
17.14	.063	.80	22380	83	.903	.65	2212.6	1960	1984	MATERIAL BALANCE	47
12.20	.099	.80	21330	83	.894	.73	2141.9	1964	1983	WCOAST PRODUCTION DECLINE	48
12.50	.112	.80	21120	76	.906	.67	2325.3	1966	1983	WCOAST MATERIAL BALANCE	49
13.76	.059	.80	22750	83	.914	.64	2221.1	1959	1983	PRODUCTION DECLINE	50
11.90	.120	.80	19370	80	.906	.67	2232.1	1973	1983		51
25.00	.176	.85	20340	91	.894	.65	2263.7	1975	1982		52

TABLE 4-5 (continued) RESERVES OF GAS

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶ m³	POOL RECOVERY fraction	SURFACE LOSS fraction	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEATING VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
WORSLEY 087-07W6 (CONTINUED)									
OTHER	1796			1080	215	865		31467	
TOTAL-WORSLEY	8931			5963	4327	1636		58884	
WRENTHAM (SA) 006-16W4									
TOTAL-WRENTHAM	57			35	1	34		1272	
WROE (SA) 056-25W5									
TOTAL-WROE	310			220		220		8817	
YEKAU LAKE 052-26W4									
TOTAL-YEKAU LAKE	238			163	65	98		3925	
YELLOWSTONE (SA) 071-13W5									
TOTAL-YELLOWSTONE	53			35		35		1371	
YOUNGSTOWN 031-10W4									
TOTAL-YOUNGSTOWN	680			445	19	426		16366	
ZAMA 118-05W6									
SULPHUR POINT H	434	.85	.10	332		332	39 (1)	13048	507
SULPHUR POINT I	626	.85	.15	452		452	39 (1)	17764	498
OTHER	9347			5469	402	5067		201724	
TOTAL-ZAMA	10407			6253	402	5851		232536	

10 AVERAGE PAY THICKNESS m	11 POROSITY fraction	12 GAS SATURATION fraction	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS fraction	16 RAW GAS RELATIVE DENSITY fraction	17 MEAN FORMATIONAL DEPTH m	18 DISCOVERY YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.32	.104	.85	12820	56	.838	.66	1336.2	1966	1969	PROGAS
14.08	.081	.85	13100	60	.857	.68	1353.9	1968	1969	PROGAS
										BER

TABLE 4-5 (continued) RESERVES OF GAS

		1	2	3	4	5	6	7	8	9
		RAW GAS			MARKETABLE GAS					
	POOL OR ZONE	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEATING VALUE	REMAINING ENERGY CONTENT	AREA
		$10^6 m^3$	fraction		$10^6 m^3$			MJ/m^3	TJ	ha
1										
2	**NON-CONFIDENTIAL POOLS**	4 921 706			2 954 650	1 163 922	1 790 728		69 720 450	
3	**CONFIDENTIAL POOLS**	11 777			7 664		7 664		299 854	
4	**TOTAL RESERVES**	4 933 483 (175 108)(4)			2 962 314 (105 144)(4)	1 163 922	1 798 392 (63 832)(4)		70 020 304 (66 394)(5)	
5	**WITHIN ECONOMIC REACH**	4 811 100			2 891 062	1 163 922	1 727 140		67 256 451	
6	**BEYOND ECONOMIC REACH**	122 383			71 252		71 252		2 763 853	
7	**ASSOCIATED**	530 229			363 528(2)	266 246(2)	285 953		11 700 527	
8	**SOLUTION**	609 279			188 671(2)					
9	**NON-ASSOCIATED**	3 793 975			2 410 115	897 676	1 512 439		58 319 777	
10	TOTAL RESERVES						1 798 392		70 020 304	
11	ETHANE AND NGL REMOVED AT REPROCESSING PLANTS						80 000		6 100 000	
12	TOTAL RESERVES MINUS ETHANE AND NGL						1 718 392		63 920 304	

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(1) MEASURED HEATING VALUE.

(2) INCLUDES SOLUTION GAS PRODUCTION.

(3) POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

(4) IMPERIAL EQUIVALENT IN BILLIONS OF CUBIC FEET AT 14.65 POUNDS PER SQUARE INCH ABSOLUTE AND 60 DEGREES FAHRENHEIT.

(5) IMPERIAL EQUIVALENT IN BILLIONS OF CUBIC FEET OF 1000 BRITISH THERMAL UNIT PER FOOT GAS.

AND BASIC DATA, AS AT 31 DECEMBER 1984

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATURATION	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATIONAL DEPTH	DISCOVERY YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	fraction		kPa	°C	fraction		m			

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2
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5 ETHANE CONTENT OF MARKETABLE GAS RESERVES

This chapter discusses the 1984 production of ethane and presents the Board's estimate of the total volume of ethane in the remaining established reserves of marketable gas. The effect on Alberta's remaining established reserves of marketable gas, of future ethane recovery at gas reprocessing plants is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1984 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

The ethane content of marketable gas in Alberta varies from a high of 0.21 mole/mole at the Judy Creek gas processing plant to a low of 0.002 5 mole/mole in shallow formations.

Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the near future and that ethane will be recovered from solvent-flood schemes, it has not attempted to estimate the prospective reserves from these sources.

5.1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve figures in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 320 million cubic metres, some 199 million of which is in currently producing pools and the remaining 121 million in unconnected or deferred pools. Of the ethane reserve in unconnected pools, some 11.2 million cubic metres is in pools currently considered beyond economic reach and some 1.7 million in confidential pools.

The volume-weighted average ethane content of all remaining established marketable gas is 0.050 mole/mole.

Although the remaining established reserves of gas have decreased as compared to last years estimates, there has been a slight increase in ethane reserves as a result of improved gas analyses on some major pools.

5.2 ETHANE RECOVERED IN 1984

Ethane recovery increased from 4657 thousand cubic metres in 1983 to 5660 thousand cubic metres in 1984. This increase was largely due to start-up of the new Dome Empress plant and increased recovery at the ANGL Cochrane plant. Additionally, 1984 was the first full year in which ethane was recovered at the Shell Jumping Pound plant and the Texaco Bonnie Glen plant began ethane recovery in 1984.

The following is a tabulation of ethane recovered during 1984:

Location	Operator	1984 Ethane Recovery
		10^3 m^3
Bonnie Glen	Texaco	62
Cochrane	ANGL	1 578
Edmonton	Dome-CUE	474
Empress	Dome	1 753
Empress	Petro-Canada	1 407
Jumping Pound	Shell	180
Waterton	Shell	206
Total		5 660

Table 5-1 VOLUMES OF ETHANE IN THE REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS
As at 31 December 1984

Fields	1 Remaining Established Reserves of Marketable Gas 10^6 m^3	2 Ethane Content[a] mol/mol	3 Volume of Ethane 10^6 m^3 (gas)	4 10^6 m^3 (liquid)
Major Fields				
Bonnie Glen	18 430	0.150	2 760	9.80
Brazeau River	26 020	0.067	1 739	6.17
Caroline	15 306	0.104	1 589	5.64
Cranberry	10 809	0.099	1 075	3.82
Crossfield	17 988	0.059	1 068	3.79
Elmworth	42 238	0.063	2 670	9.48
Ferrier	12 724	0.094	1 191	4.23
Garrington	9 975	0.098	978	3.47
Gilby	12 309	0.092	1 133	4.02
Harmattan East	20 233	0.087	1 763	6.26
Harmattan-Elkton	20 693	0.087	1 810	6.43
Jumping Pound West	33 717	-[b]	1 366	4.85
Kaybob	10 080	0.085	860	3.05
Kaybob South	37 207	0.110	4 093	14.53
Karr	10 920	0.088	957	3.40
Leduc-Woodbend	13 528	0.126	1 708	6.06
Medicine River	12 038	0.095	1 144	4.06
Pembina	27 488	0.083	2 285	8.11
Rainbow	15 718	0.088	1 382	4.91
Ricinus	18 409	0.085	1 569	5.57
Swan Hills	4 287	0.234	1 005	3.57
Sylvan Lake	13 111	0.101	1 321	4.69
Waterton	25 337	-[b]	1 142	4.05
Westerose South	16 853	0.088	1 480	5.25
Wapiti	19 872	0.065	1 283	4.55
Willesden Green	13 413	0.108	1 443	5.12
Wizard Lake	7 094	0.159	1 128	4.00
Subtotal	485 797	0.086	41 942	149

Table 5-1 (continued)

Fields	1 Remaining Established Reserves Marketable Gas 10^6 m^3	2 Ethane Content[a] mol/mol	3 Volume of Ethane 10^6 m^3 (gas)	4 10^6 m^3 (liquid)
Fields with over 1.50×10^9 m^3 of remaining established marketable gas but under 3.0×10^6 m^3 of ethane reserves	1 026 325	0.036	36 978	131
Subtotal	1 512 122	0.052	78 920	280
All other remaining established reserves of marketable gas	286 270	0.039	11 129	40
Total	1 798 392	0.050	90 049	320
			(3 196)[c]	(2 025)[d]

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[a] Volume-weighted average.

[b] Ethane is extracted at Shell's Jumping Pound and Waterton field plants. The ethane content of the raw gas in the Jumping Pound West Field is some 0.035 mole/mole and in the Waterton Field is some 0.030 mole/mole.

[c] Imperial equivalent in billions of cubic feet.

[d] Imperial equivalent in millions of barrels.

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

The Board estimates the remaining established reserves of natural gas liquids in the province as of 31 December 1984 to be 323.2 million cubic metres. Natural gas liquids from most unconnected and deferred pools were not included in reports issued before 1981. Thus, the 1981 and subsequent-year reserve additions should not be compared directly with additions shown in pre-1981 reports. The changes in the reserves during the past year are tabulated below:

	Established Reserves[a]			
	10^6 m^3			
	Propane	Butanes	Pentanes Plus	Total
Remaining at 31 December 1983	127.2	71.5	113.3	311.9
Additions during 1984	4.4	3.4	17.1	25.0
Less net production[b] during 1984	5.1	3.1	5.5	13.7
Remaining at 31 December 1984	126.5	71.8	124.9	323.2
	(796.8)[c]	(452.4)[c]	(785.9)[c]	(2 035.1)[c]
Cumulative net production[b] to 31 December 1984	85.9	54.6	147.1	287.6
Initial established reserves at 31 December 1984	212.4	126.4	272.0	610.8
	(1 338.1)[c]	(795.9)[c]	(1 711.7)[c]	(3 845.7)[c]

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[a] Discrepancies are due to rounding.

[b] Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.

[c] Imperial equivalent in millions of barrels.

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where dry gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated, on a broad judgement basis having regard for the gas composition, whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. While this assumption could be erroneous, the Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has resulted in changes in the Board's estimates of volumes recoverable from solvent floods.

Although propane, butanes, and pentanes plus products are currently or potentially recoverable at crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the "Beyond Economic Reach", "Confidential", and "Other Small Reserves" categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

During 1984, the Board re-evaluated the liquid-recovery ratios and the remaining established reserves of gas in several pools which resulted in minor changes in the remaining established reserves of natural gas liquids. The most significant changes occurred in the Garrington and Rainbow fields. Propane and butanes reserve increases have generally been offset by production such that the remaining established reserves are relatively unchanged. The remaining established reserves of pentanes plus increased significantly as a result of gas cycling schemes proposed in the Brazeau River and Wembley fields. The 1984 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following is a breakdown of the liquid reserves into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

Remaining Established Reserves
As at 31 December 1984

10^6 m^3

	Propane	Butanes	Pentanes Plus	Total
Connected	39.0	29.5	65.6	134.1
Unconnected	31.5	19.2	48.8	99.5
Total	70.5	48.7	114.4	233.6

TABLE 6-1 RESERVES OF NATURAL GAS LIQUIDS IN THE REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS
As at 31 December 1984

	1	2	3	4	5	6	7	8	9
			Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone	Remaining Reserves of Marketable Gas	Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Bigoray	Cardium	125	116	92	217	15	12	27	54
	Mannville	2 222	79	40	132	175	88	292	555
	Jurassic	382	129	74	262	49	28	100	177
	Mississippian	396	30	17	51	12	7	20	39
	Winterburn	206	433	226	132	89	47	27	163
	Subtotal					340	182	466	988
Bigstone	Dunvegan	3 336	143	67	88	478	223	239	940
	Mannville	563	-	-	102	-	-	57	57
	Wabamun	115	137	95	186	16	11	21	48
	Subtotal					494	234	317	1 045
Bonnie Glen	Cardium	74	54	136	95	4	10	7	21
	Mannville	2 006	53	41	31	108	84	64	256
	Winterburn	177	118	55	42	21	10	8	39
	Leduc[a]	16 135	-	-	-	1 544	1 191	2 546	5 281
	Subtotal					1 677	1 295	2 625	5 597
Brazeau River	Cretaceous	1 661	224	116	272	372	192	451	1 015
	Jurassic	1 410	148	81	240	209	114	338	661
	Mississippian	16 458	-	-	52	-	-	856	856
	Winterburn[a]	6 487	-	-	-	1 092	1 061	4 521	6 674
	Subtotal					1 673	1 367	6 166	9 206
Caroline	Cardium	800	130	74	99	104	59	79	242
	Viking	1 538	68	70	59	104	108	90	302
	Mannville	11 613	106	73	242	1 234	843	2 808	4 885
	Jurassic	81	123	70	249	10	6	20	36
	Mississippian	915	92	72	142	84	66	130	280
	Leduc	155	106	85	126	16	13	20	49
	Subtotal					1 552	1 095	3 147	5 794
Carrot Creek	Cardium	133	95	77	108	13	10	14	37
	Mannville	1 971	126	96	117	248	190	231	669
	Jurassic	1 890	122	75	121	231	142	228	601
	Subtotal					492	342	473	1 307

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Carson Creek	Beaverhill Lake[a]	3 773	-	-	-	226	253	1 185	1 664
	Subtotal					226	253	1 185	1 664
Carson Creek N.	Beaverhill Lake	2 047	201	90	113	411	184	231	826
	Subtotal					411	184	231	826
Clive	Viking	266	86	68	89	23	18	24	65
	Mannville	755	120	67	166	91	50	126	267
	Winterburn	669	313	156	84	210	105	56	371
	Leduc	719	392	314	259	282	226	186	694
	Subtotal					606	399	392	1 397
Cranberry	Beaverhill Lake	8 713	64	64	266	559	557	2 319	3 435
	Elk Point	560	-	-	79	-	-	44	44
	Subtotal					559	557	2 363	3 479
Crossfield	Viking	73	110	58	178	8	4	13	25
	Mannville	1 111	90	59	102	100	66	113	279
	Mississippian[a]	11 969	-	-	-	949	775	1 504	3 228
	Wabamun	4 774	5	3	27	24	16	128	168
	Subtotal					1 081	861	1 758	3 700
Dunvegan	Mississippian	15 767	-	-	55	-	-	864	864
	Subtotal					-	-	864	864
Edson	Cardium	1 457	111	62	92	161	91	134	386
	2nd White Specks	169	149	78	134	25	13	23	61
	Viking	2 469	-	-	23	-	-	56	56
	Mannville	2 931	49	27	55	143	78	161	382
	Jurassic	485	113	47	23	55	23	11	89
	Mississippian	9 320	-	-	57	-	-	531	531
	Subtotal					384	205	916	1 505

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butane	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Elmworth	Cadotte	2 458	-	-	10	-	-	25	25
	Cardium	277	141	69	47	39	19	13	71
	Mannville	36 995	-[b]	-[b]	33	36	16	1 203	1 255
	Subtotal					75	35	1 241	1 351
Fenn-Big Valley	Viking	384	67	42	47	26	16	18	60
	Mannville	154	99	56	95	15	9	15	39
	Winterburn	869	448	277	148	389	241	129	759
	Leduc	58	350	162	72	20	9	4	33
	Subtotal					450	275	166	891
Ferrier	Belly River	217	186	79	26	40	17	6	63
	Cardium	9 072	139	88	112	1 265	801	1 015	3 081
	Viking	293	110	62	195	32	18	57	107
	Mannville	2 235	67	35	94	150	78	210	438
	Jurassic	171	135	70	41	23	12	7	42
	Mississippian	1 329	3	2	166	4	2	220	226
	Subtotal					1 514	928	1 515	3 957
Fir	Cardium	98	133	61	82	13	6	8	27
	Dunvegan	650	130	63	142	85	41	92	218
	Mannville	1 738	5	2	138	9	4	240	253
	Jurassic	733	-	-	352	-	-	258	258
	Triassic	5 958	11	10	30	65	57	179	301
	Mississippian	172	-	-	26	-	-	5	5
	Subtotal					172	108	782	1 062
Garrington	Cardium	295	183	101	295	54	30	87	171
	Viking	1 300	152	84	124	198	109	161	468
	Mannville	4 105	137	56	81	562	230	333	1 125
	Jurassic	402	124	71	251	50	29	101	180
	Mississippian	1 600	84	52	141	134	83	226	443
	Wabamun	1 839	131	99	111	241	182	204	627
	Leduc	435	106	103	97	46	45	42	133
	Subtotal					1 285	708	1 154	3 147

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Gilby	Cardium	488	159	88	150	78	43	73	194
	Viking	9	89	78	67	1	1	1	3
	Mannville	5 663	73	46	76	416	260	432	1 108
	Jurassic	4 401	54	37	76	237	161	336	734
	Mississippian	1 637	109	52	70	178	85	115	378
	Wabamun	52	119	96	135	6	5	7	18
	Subtotal					916	555	964	2 435
Gold Creek	Cadotte	65	92	42	62	6	3	4	13
	Mannville	1 216	89	41	80	108	50	97	255
	Triassic	48	81	50	104	4	2	5	11
	Wabamun	2 381	-	-	424	-	-	1 011	1 011
	Subtotal					118	55	1 117	1 290
Golden Spike	Viking	115	103	58	182	12	7	21	40
	Mannville	194	104	52	39	20	10	8	38
	Wabamun	284	90	53	45	26	15	13	54
	Winterburn	128	44	18	16	6	2	2	10
	Leduc[a]	691	-	-	-	391	238	133	762
	Subtotal					455	272	177	904
Harmattan East	Viking	44	157	89	136	7	4	6	17
	Mannville	462	97	83	185	45	38	85	168
	Mississippian[a]	19 727	-	-	-	412	511	720	1 643
	Subtotal					464	553	811	1 828
Harmattan-Elkton	Cardium	51	-	-	63	-	-	3	3
	Mannville	64	108	61	105	7	4	7	18
	Mississippian[a]	20 445	-	-	-	704	578	1 697	2 979
	Subtotal					711	582	1 707	3 000
Hussar	Mannville	9 306	77	54	54	717	506	507	1 730
	Subtotal					717	506	507	1 730
Judy Creek	Viking	548	30	22	62	17	12	34	63
	Beaverhill Lake	1 972	312	161	101	615	318	200	1 133
	Subtotal					632	330	234	1 196

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Jumping Pound West	Mississippian	33 716	30	28	82	1 026	935	2 749	4 710
	Subtotal					1 026	935	2 749	4 710
Karr	Upper Cretaceous	210	87	43	56	18	9	12	39
	Mannville	10 402	63	71	137	658	735	1 427	2 820
	Jurassic	52	-	-	98	-	-	5	5
	Subtotal					677	744	1 443	2 864
Kaybob	Viking	352	88	43	56	31	15	20	66
	Mannville	6 795	68	40	47	459	269	323	1 051
	Wabamun	18	111	56	167	2	1	3	6
	Beaverhill Lake[a]	2 843	-	-	-	857	607	741	2 205
	Subtotal					1 349	892	1 087	3 328
Kaybob South	Viking	344	72	38	36	25	13	12	50
	Mannville	7 547	16	9	44	124	71	329	524
	Jurassic	175	-	-	98	-	-	17	17
	Triassic	1 871	111	73	101	207	137	188	532
	Winterburn	891	12	11	164	10	10	146	166
	Beaverhill Lake[a]	26 340	-	-	-	1 391	2 221	7 786	11 398
	Subtotal					1 757	2 452	8 478	12 687
Leduc-Woodbend	Cardium	193	54	31	17	11	6	3	20
	Viking	208	99	57	178	21	12	37	70
	Mannville	3 085	95	51	50	293	156	155	604
	Wabamun	521	122	64	67	64	33	35	132
	Winterburn	463	146	130	160	68	60	74	202
	Leduc	8 890	98	102	52	868	903	462	2 233
	Subtotal					1 325	1 170	766	3 261
Leedale	Mannville	1 751	112	60	91	196	104	160	460
	Jurassic	183	121	69	244	22	13	45	79
	Mississippian	1 890	156	85	203	294	160	384	838
	Subtotal					512	277	588	1 377

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Medicine River	Viking	123	62	36	34	8	4	4	16
	Mannville	7 412	104	67	85	768	494	632	1 894
	Jurassic	1 455	49	37	55	71	54	81	206
	Mississippian	2 930	82	49	77	241	143	226	610
	Winterburn	5	400	200	80	2	1	-	3
	Leduc	82	187	111	95	15	9	8	32
	Subtotal					1 105	705	951	2 761
Minnehik-Buck Lake	Belly River	707	89	47	79	63	33	56	152
	Cardium	357	180	87	102	64	31	36	131
	Mannville	839	77	39	92	65	33	78	176
	Jurassic	105	130	66	72	14	7	8	29
	Mississippian	6 721	8	4	70	56	29	470	555
	Subtotal					262	133	648	1 043
Mitsue	Gilwood	1 320	452	294	184	597	388	243	1 228
	Subtotal					597	388	243	1 228
Niton	Mannville	6 845	45	41	65	308	280	445	1 033
	Jurassic	96	40	33	171	4	3	16	23
	Subtotal					312	283	461	1 056
Paddle River	Mannville	132	158	113	227	21	15	30	66
	Jurassic	5 336	143	78	63	742	409	338	1 489
	Mississippian	887	106	57	88	94	51	78	223
	Subtotal					857	475	446	1 778
Peco	Cardium	196	137	77	286	27	15	56	98
	Viking	232	108	61	192	25	14	45	84
	Mannville	1 861	86	51	269	160	95	500	755
	Jurassic	1 899	144	82	343	273	155	651	1 079
	Winterburn	206	-	-	215	-	-	44	44
	Subtotal					485	279	1 296	2 060

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Pembina	Belly River	3 048	79	53	65	240	163	199	602
	Cardium	12 012	204	124	93	2 450	1 489	1 117	5 056
	Viking	344	137	73	94	47	25	32	104
	Mannville	7 863	58	32	89	458	248	696	1 402
	Jurassic	1 214	89	49	85	108	59	104	271
	Mississippian	796	96	48	76	77	38	61	176
	Winterburn	2 211	243	128	69	536	284	152	972
	Subtotal					3 916	2 306	2 361	8 583
Quirk Creek	Mississippian	3 838	84	62	125	322	238	481	1 041
	Subtotal					322	238	481	1 041
Rainbow	Slave Point	799	116	67	54	93	53	43	189
	Sulphur Point	1 275	109	76	78	139	97	99	335
	Muskeg	398	447	342	141	178	136	56	370
	Keg River	9 381	238	185	236	2 228	1 738	2 214	6 180
	Subtotal					2 638	2 024	2 412	7 074
Rainbow South	Sulphur Point	783	40	27	77	31	21	60	112
	Muskeg	555	23	16	72	13	9	40	62
	Keg River	1 550	219	120	229	339	187	355	881
	Subtotal					383	217	455	1 055
Ricinus	Cardium[a]	12 307	-	-	-	1 303	691	1 693	3 687
	Viking	3 119	9	6	116	28	20	360	408
	Winterburn	250	129	104	154	32	26	38	96
	Subtotal					1 363	737	2 091	4 191
Shekelie	Elk Point	2 138	156	129	140	333	276	298	907
	Subtotal					333	276	298	907
Strachan	Cardium	84	108	61	192	9	5	16	30
	Mannville	1 488	104	57	101	155	85	151	391
	Leduc	7 877	46	41	167	358	325	1 318	2 001
	Subtotal					522	415	1 485	2 422

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
		Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone		Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Swan Hills	Beaverhill Lake	4 171	694	425	232	2 895	1 773	968	5 636
	Subtotal					2 895	1 773	968	5 636
Swan Hills South	Beaverhill Lake	2 821	691	457	293	1 949	1 289	827	4 065
	Subtotal					1 949	1 289	827	4 065
Sylvan Lake	Viking	386	115	77	166	45	30	64	139
	Mannville	6 340	103	58	89	656	367	565	1 588
	Jurassic	2 297	142	72	88	326	165	202	693
	Mississippian	3 244	114	64	95	369	207	308	884
	Leduc	769	81	71	175	62	55	134	251
	Subtotal					1 458	824	1 273	3 555
Valhalla	Doe Creek	3 194	-	-	18	-	-	58	58
	Mannville	945	48	22	23	45	21	22	88
	Jurassic	60	150	67	100	9	4	6	19
	Triassic	2 851	160	99	245	457	283	697	1 437
	Subtotal					511	308	783	1 602
Waterton	Mannville	274	-	-	89	-	-	25	25
	Mississippian[a]	23 725	-	-	-	791	898	3 872	5 561
	Subtotal					791	898	3 897	5 586
Wembley	Triassic[a]	2 679	-	-	-	1 426	1 012	2 949	5 387
	Subtotal					1 426	1 012	2 949	5 387
Westerose	Mannville	404	148	80	113	60	32	46	138
	Winterburn	35	86	86	114	3	3	4	10
	Leduc	3 894	236	146	164	920	567	637	2 124
	Subtotal					983	602	687	2 272
Westerose South	Mannville	14 178	157	81	111	2 224	1 148	1 570	4 942
	Mississippian	223	158	72	85	35	16	19	70
	Leduc	2 114	136	83	83	288	177	176	641
	Subtotal					2 547	1 341	1 765	5 653

Table 6-1 (continued)

	1	2	3	4	5	6	7	8	9
			Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone	Remaining Reserves of Marketable Gas	Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Westpem	Mannville	629	115	65	111	73	41	70	183
	Jurassic	157	122	70	248	19	11	39	69
	Winterburn[a]	1 545	-	-	-	256	279	770	1 306
	Subtotal					348	331	879	1 558
Willesden Green	Belly River	1 656	121	81	63	201	135	104	440
	Cardium	3 524	81	72	61	287	254	215	756
	Viking	525	180	127	204	95	67	107	269
	Mannville	6 062	170	90	186	1 030	543	1 124	2 697
	Jurassic	1 431	222	152	147	318	217	211	746
	Mississippian	271	97	56	88	26	15	24	65
	Subtotal					1 957	1 231	1 785	4 973
Windfall	Viking	414	86	43	55	36	18	23	77
	Mannville	842	31	15	29	26	13	24	63
	Mississippian	422	27	15	22	11	7	9	27
	Winterburn	689	-	-	276	-	-	190	190
	Leduc[a]	8 841	-	-	-	-	-	914	914
	Beaverhill Lake	11	545	273	181	6	3	2	11
	Subtotal					79	41	1 162	1 282
Wizard Lake	Mannville	238	96	55	53	23	13	13	49
	Winterburn	18	333	166	111	6	3	2	11
	Leduc	6 803	307	177	53	2 089	1 204	361	3 654
	Subtotal					2 118	1 220	376	3 714
Subtotal						53 807	37 697	77 368	168 872

Table 6-1 (continued)

1		2	3	4	5	6	7	8	9
			Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
Field	Zone	Remaining Reserves of Marketable Gas	Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Reserves Beyond Economic Reach						2 007	1 209	5 283	8 499
Confidential Reserves						497	256	543	1 296
Other Small Reserves						14 193	9 483	31 251	54 927
Subtotal						70 504	48 645	114 445	233 594
Recoverable at Reprocessing Plants						52 940	21 340	8 780	83 060
Recoverable from Solvent Floods						3 030	1 860	1 660	6 550
Total Reserves						126 474	71 845	124 885	323 204
						(796.8)[c]	(452.4)[c]	(785.9)[c]	(2035.1)[c]

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[a] Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included due to those parameters changing with time.

[b] Liquid recovery ratios are less than 1.

[c] Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 SULPHUR FROM NATURAL GAS

The Board estimates the remaining established reserves of sulphur from natural gas in the province as of 31 December 1984 to be some 85 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves 10^6 t
Remaining at 31 December 1983	89.9
Additions during 1984	0.3
Production during 1984	5.1
Remaining at 31 December 1984	85.1 (83.8)[a]
Cumulative net production to 31 December 1984	104.2
Initial established reserves at 31 December 1984	189.3 (186.3)[a]

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[a] Imperial equivalent in millions of long tons.

Of the cumulative net production of 104.2 million tonnes at year-end 1984, some 11.8 million were stockpiled at various gas plants in the province. Over the years, stockpiling reflected a lack of markets for a portion of the production, and in part, a shortage of slating, loading, and transportation facilities and limited ocean-terminal storage capacity. However, with recently improved sulphur markets, producers have reduced their stockpiles to meet the increase in demand. Consequently, the sulphur stockpiled at year-end 1984 was some 2.7 million tonnes less than at year-end 1983.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines, published in the Board's Informational Letter IL 80-24. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and because the H_2S content in the gas changes with time the remaining reserves are only reported.

The remaining established reserves have been reduced from last year to 85.1 million tonnes due largely to production. Of the 85.1 million tonnes of remaining sulphur recoverable from gas, some 64.7 million are in currently producing pools and the remaining 20.4 million are in unconnected pools. The unconnected reserves include some 10.3 million tonnes in pools considered beyond economic reach. None of the 1984 confidential gas reserves contain significant reserves of sulphur.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under "Small Reserves". Significant reduction in sulphur reserves for Brazeau River, Moose, and Quirk Creek have occurred as a result of re-evaluation of the remaining recoverable reserves in those pools. The Board recently reviewed a number of Foothills pools in the Mississippian Formation and, although significant changes occurred only in the pools in the Moose and Quirk Creek fields the re-evaluation has generally confirmed the Board's previous estimates in that area.

7.2 SULPHUR FROM CRUDE BITUMEN

Crude bitumen in oil sands deposits contains significant amounts of sulphur. During the conversion of bitumen into synthetic crude oil, much of the sulphur fraction remains in the coke by-product. However, most of the remainder that passes over into the process sections is ultimately recovered in the same manner as from raw natural gas.

It is currently estimated that some 150 million tonnes of elemental sulphur will be recoverable from the 5.2 billion cubic metres of remaining established crude bitumen reserves in the surface mineable area. Existing plants are expected to recover 8.6 million tonnes of this sulphur. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 28.6 tonnes per thousand cubic metres of crude bitumen. This ratio was based on recent experience at existing bitumen synthetic-crude-oil plants. Earlier Board estimates of the sulphur recoverable from bitumen included both the sulphur in coke and that recoverable as elemental sulphur. The above estimate includes only the elemental sulphur expected to be produced in recovering the synthetic crude oil.

The initial established reserves of sulphur for the Suncor and Syncrude plants were 11.1 million tonnes, of which 2.5 million tonnes have been produced leaving a remaining established reserve of elemental sulphur of 8.6 million tonnes. During 1984, some 289 139 tonnes of sulphur were recovered at bitumen synthetic-crude-oil plants. The changes in established reserves during 1984 are summarized below.

	Established Sulphur Reserves
	10^6 t
Remaining at 31 December 1983	8.6
Revisions during 1984	0.3
Production during 1984	0.3
Remaining at 31 December 1984	8.6 (8.5)[a]
Cumulative net production to 31 December 1984	2.5
Initial established reserves at 31 December 1984	11.1 (10.9)[a]

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[a] Imperial equivalent in millions of long tons.

TABLE 7-1 RESERVES OF SULPHUR IN THE REMAINING ESTABLISHED
RESERVES OF RAW GAS
As at 31 December 1984

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Blackstone	Beaverhill Lake	14 596	0.107	98	2 079
	Subtotal				2 079
Brazeau River	Mississippian	17 431	0.011	95	257
	Nisku	3 370	0.133	99	600
	Subtotal				857
Burnt Timber	Mississippian	9 497	0.072	96	894
	Wabamun	2 813	0.304	96	1 113
	Subtotal				2 007
Caroline	Mannville	282	0.055	95	20
	Nisku	338	0.518	96	228
	Leduc[b]	3 640	0.891	98	4 311
	Subtotal				4 559
Coleman	Mississippian	2 360	0.279	96	857
	Wabamun	1 714	0.189	96	422
	Subtotal				1 279
Crossfield	Mannville	807	0.006	98	6
	Mississippian	13 771	0.007	98	123
	Wabamun	9 943	0.318	98	4 197
	Subtotal				4 326
Crossfield East	Wabamun	9 596	0.347	98	4 428
	Subtotal				4 428
Hanlan	Nisku	1 181	0.051	98	81
	Beaverhill Lake	30 431	0.091	98	3 660
	Subtotal				3 741

Table 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Jumping Pound West	Mississippian	42 118	0.064	97	3 549
	Subtotal				3 549
Kaybob South	Triassic	2 228	0.004	98	12
	Nisku	1 129	0.197	95	287
	Beaverhill Lake[c]	-	-	-	4 703
	Subtotal				5 002
Lambert	Leduc	3 103	0.202	98	833
	Subtotal				833
Limestone	Mississippian	11 017	0.062	99	912
	Wabamun	1 703	0.207	99	474
	Nisku	734	0.132	99	130
	Leduc	1 382	0.165	99	306
	Subtotal				1 822
Moose	Mississippian	3 509	0.111	97	514
	Wabamun	953	0.280	96	348
	Subtotal				862
Obed	Nisku	4 920	0.241	98	1 578
	Subtotal				1 578
Okotoks	Wabamun	9 125	0.355	96	4 216
	Subtotal				4 216

Table 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Panther River	Mississippian	3 681	0.073	96	351
	Wabamun[b]	1 134	0.572	98	1 108
	Nisku[b]	823	0.704	98	770
	Subtotal				2 229
Pine Creek	Jurassic	3 232	0.005	96	22
	Mississippian	400	0.024	96	13
	Wabamun	2 223	0.299	98	882
	Leduc	1 958	0.249	98	648
	Subtotal				1 565
Quirk Creek	Mississippian	5 100	0.097	96	644
	Wabamun	463	0.459	96	277
	Leduc	417	0.599	97	329
	Subtotal				1 250
Ricinus	Leduc	4 705	0.305	99	1 928
	Subtotal				1 928
Ricinus West	Leduc	11 882	0.332	99	5 295
	Subtotal				5 295
Rosevear	Beaverhill Lake	8 294	0.075	98	827
	Subtotal				827
Strachan	Leduc	10 403	0.109	99	1 528
	Subtotal				1 528
Waterton	Mississippian	16 190	0.244	95	5 292
	Wabamun	1 844	0.137	96	330
	Rundle-Wabamun[c]	-	-	-	5 730
	Subtotal				11 352

Table 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Whiskey	Mississippian	1 055	0.066	95	90
	Wabamun[b]	2 080	0.570	98	1 576
	Subtotal				1 666
Windfall	Mannville	444	0.049	98	29
	Mississippian	160	0.061	98	13
	Nisku	313	0.138	95	56
	Leduc[c]	-	-	-	2 501
	Subtotal				2 599
Subtotal					71 377
Small Reserves					13 763
Total Reserves					85 140
					(83 795)[d]

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a Volume-weighted average.

b Currently considered beyond economic reach.

c Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H_2S content is not included due to gas composition changing with time.

d Imperial equivalent in thousands of long tons.

8 ULTIMATE POTENTIAL

In 1979, the Board held a hearing to review the ultimate potential of Alberta's natural gas and, in 1980, that of Alberta's crude oil and equivalent. Its findings on gas were summarized in Report 79-G[1], and on oil in Report 81-B[2].

The Board has recently issued issued Report 85-A[3] which provides a forecast of Alberta oil supply from all sources for the years 1985 to 2010. This forecast comprised an update to the detailed forecast presented in Report 81-B and in ERCB 83-E[4]. The following sections abstract from those reports. The values for ultimate potential for all resources are approximate and are significant to two figures only.

8.1 CONVENTIONAL CRUDE OIL

The ultimate potential of crude oil and equivalent was estimated on the basis of industry submissions and the Board's own studies. The estimate derived from the submissions and studies was presented in Report 85-A.

8.1.1 Ultimate Potential

The Board concluded in Report 85-A that reserves growth from new discoveries/additions would add some 230 million cubic metres to the existing light-medium established reserves and some 31 million cubic metres to the existing conventional heavy established reserves. It further forecast that an additional 255 million and 75 million cubic metres of light-medium and conventional heavy crude oil, respectively, would be recovered by application of tertiary recovery schemes in the future. When these predicted future additions are added to the initial established reserves at year-end 1984, the resulting ultimate potential from all conventional crude oil sources is some 2650 million cubic metres. This confirms the Board's opinion that the conventional oil ultimate potential for Alberta lies somewhere between 2400 and 2700 million cubic metres.

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[1] Energy Resources Conservation Board, December 1979. Ultimate Potential for Gas in Alberta. ERCB Report 79-G.

[2] ______________________________, January 1981. Estimates of Ultimate Potential and Forecasts of Attainable Productive Capacity of Alberta's Crude Oil and Equivalent. ERCB Report 81-B.

[3] ______________________________, 1985. Alberta Oil Supply, 1985-2010. ERCB Report 85-A.

[4] ______________________________, 1983. Alberta Oil Supply, 1983-2007. ERCB Report 83-E.

The relationship between the initial and remaining ultimate potential of conventional crude oil is illustrated below:

	10^6 m^3
Ultimate Potential	2 650
Cumulative Production to Year-end 1984	1 419
Ultimate Potential Remaining	1 231

8.1.2 Trend in Annual Additions of Conventional Established Reserves

Net annual additions to Alberta's conventional established crude oil reserves averaged 60.5 million cubic metres from 1951 to 1984, falling to 23.4 million from 1974 to 1984, and rising slightly to some 33.6 million for the past three years (Table 8-1, column 1).

The forecast of additions from all sources is shown in Figure 8-1. In Report 85-A, the Board forecasts that additions to established reserves of conventional crude oil will peak at some 53 million cubic metres annually about 1985, augmented substantially by tertiary programs, and then decline gradually as fewer new pools are found and fewer tertiary projects are undertaken. Additions are expected to average 22.7 million annually over the next 25 years.

TABLE 8-1 SUMMARY OF INITIAL AND REMAINING
ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL
As of Each Year-end
millions of cubic metres

	1	2	3	4	5
Year	Initial Established		Production		Remaining Established[a]
	Addition	Cumulative[a]	Annual	Cumulative[a]	
1951	44.5	219.3	7.3	29.4	189.9
1952	62.5	281.7	9.3	38.8	243.0
1953	66.6	348.3	12.2	51.0	297.3
1954	55.6	403.9	13.9	65.0	339.0
1955	68.2	472.1	17.9	82.8	389.3
1956	82.0	554.1	22.8	105.7	448.4
1957	39.9	594.0	21.7	127.4	466.6
1958	1.4	595.4	17.9	145.2	450.2
1959	67.5	663.0	20.5	165.7	497.2
1960	48.6	711.6	20.7	186.6	525.0
1961	57.5	769.1	25.1	211.5	557.6
1962	44.0	813.5	26.2	237.9	575.6
1963	56.6	870.0	26.8	264.6	605.4
1964	348.5	1 218.5	27.9	292.4	926.1
1965	68.8	1 287.3	29.2	321.6	965.7
1966	140.8	1 428.1	32.2	353.9	1 074.2
1967	95.2	1 523.3	36.6	390.4	1 132.9
1968	119.8	1 643.1	39.8	430.3	1 212.8
1969	54.5	1 697.6	44.4	474.7	1 222.8
1970	36.7	1 734.3	51.7	526.5	1 207.9
1971	22.1	1 756.4	56.4	582.9	1 173.6
1972	20.0	1 776.5	67.4	650.0	1 126.0
1973	9.2	1 785.7	83.3	733.7	1 052.0
1974	38.5	1 824.1	79.0	812.7	1 011.5
1975	7.0	1 831.1	67.5	880.2	950.9
1976	-18.6	1 812.5	61.0	941.2	871.3
1977	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.4	1 856.0	60.0	1 061.6	794.5
1979	34.3	1 890.3	68.5	1 130.1	760.2
1980	22.7	1 913.2	63.2	1 193.3	719.9
1981	32.6	1 945.8	56.5	1 249.8	696.0
1982	6.9	1 952.7	53.6	1 303.4	649.4
1983	64.1	2 016.8	55.6	1 359.0	657.8
1984	42.0	2 058.8	59.2	1 418.2	640.7
		(13.0)[b]			(4.0)[b]

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a Discrepancies are due to rounding.
b Imperial equivalent in billions of stock-tank barrels.

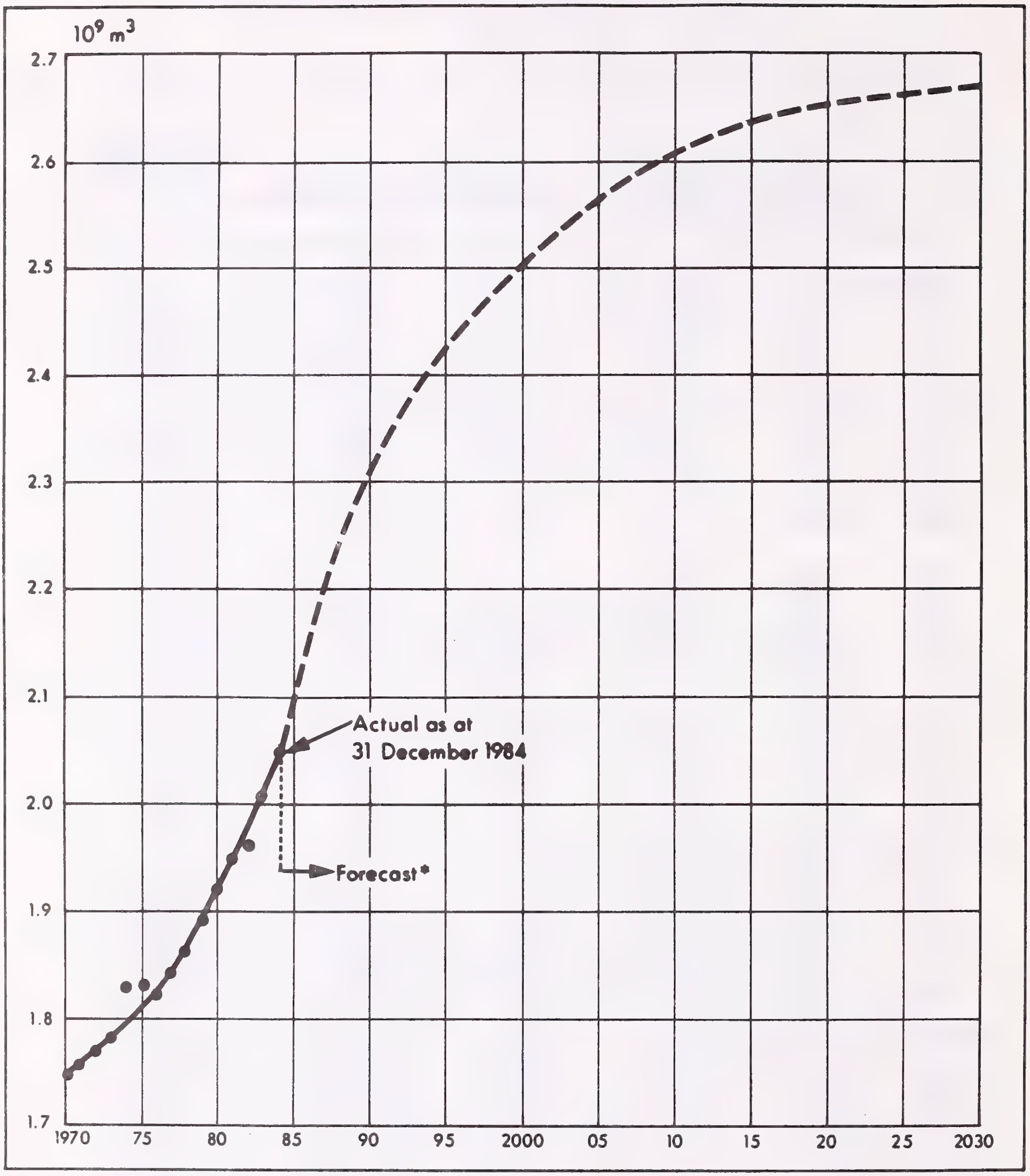

FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

*SOURCE: ERCB Report 85-A

8.2 CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 27 billion in deposits that may eventually be amenable to surface mining, and about 373 billion in deeper deposits that will require the use of in situ recovery or underground mining techniques. This estimate represents an increase of 150 billion cubic metres in the ultimate in place volume estimated for year-end 1983. The increase resulted primarily from recognition of probable future reserves additions associated with continued drilling and development of the oil sands deposits. In previous estimates, the ultimate volume of crude bitumen in place was set equal to the initial established volume in place with no recognition for possible future additions.

Although drilling and logging analyses have indicated the potential ultimate volume of crude bitumen in place to be 400 billion cubic metres, very little is known about the true quality of the entire resource, particularly in areas that can be viewed as probable extensions to established deposits. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Paleozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future. The analysis suggested the ultimate potential of crude bitumen from cretaceous sediments by in situ recovery methods to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 7 billion cubic metres are expected from surface mineable areas, excluding areas unavailable due to environmental and utility corridors. The total initial ultimate potential of crude bitumen is therefore about 46 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used and will depend upon the extent to which other non-bitumen energy sources are used in recovery and processing operations. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 0.85 by volume will be achieved. On this basis, the ultimate potential of synthetic crude oil is estimated at 39 billion cubic metres with 6 billion attributable to surface mining and 33 billion to the in situ areas. External energy sources such as coal and natural gas are assumed to satisfy part of the energy requirements for fuel and upgrading.

The relationships between the initial and remaining ultimate potential of crude bitumen is illustrated below:

	10^6 m^3
Ultimate Potential	46 000
Cumulative Production to 1984	104
Ultimate Potential Remaining	45 896

8.3 MARKETABLE GAS

8.3.1 Ultimate Potential

Having reviewed evidence submitted at a public hearing held in 1979, the Board concluded in ERCB Report 79-G that the ultimate potential of marketable gas is in the range of 3700 to 3900 billion cubic metres (at 37.4 MJ/m^3) with the gas prices and technological advances now anticipated. The Board also concluded that if gas prices increase to substantially higher levels than are presently foreseen, or if substantial further technological advances are achieved (particularly respecting production of unconventional gas from ultra-low-permeability formations), the ultimate gas potential could exceed 5600 billion cubic metres. The relationship between the ultimate potential of marketable gas and the portion remaining to be recovered is illustrated below:

	10^9 m^3 at 37.4 MJ/m^3
Ultimate Potential of Marketable Gas	3 800
Cumulative Production to 1984	1 212
Ultimate Potential Remaining	2 588

8.3.2 Trend in Annual Additions

The Board expects that annual additions will continue to fluctuate but gradually decline as opportunities for new discoveries diminish. The resulting forecast of gas-reserves growth is shown in Figure 8-2. The forecast suggests that additions to established conventional reserves will decline at approximately 11 per cent per year to some 39 billion cubic metres in 1990 and 12 billion in 2000.

The average annual addition to established gas reserves was 83.5 billion cubic metres during the period 1952 to 1984 (Table 8-2 column 1), ranging from 13.3 billion to 183.3 billion. Annual additions averaged 94.8 billion cubic metres over the past 10 years, with 40.5 billion being added in 1984.

TABLE 8-2 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS
As of Each Year-end
billions of cubic metres

	1	2	3	4	5	6
Year	Initial Established		Production		Remaining Established[a]	
	Additions	Cumulative[a]	Annual	Cumulative[a]	As Is[a]	37.4 MJ/m^3
1951	61.2	205.5	1.6	19.4	186.1	
1952	87.8	293.4	1.8	21.2	272.1	
1953	76.1	369.5	2.0	23.3	346.2	
1954	58.8	428.3	2.5	25.8	402.5	
1955	59.3	487.6	3.0	28.8	458.8	
1956	64.5	552.2	3.2	32.0	520.1	
1957	64.9	617.1	3.8	35.8	581.7	N/A
1958	110.4	727.5	5.3	41.1	686.4	721.2
1959	88.5	816.0	7.1	48.2	767.8	809.8
1960	119.9	935.9	9.1	57.4	878.6	926.8
1961	13.3	949.2	11.9	69.3	879.9	930.5
1962	49.7	998.9	17.6	86.9	912.1	964.2
1963	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	40.6	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	134.6	1 459.5	30.0	235.8	1 223.6	1 289.0
1969	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	45.4	1 638.6	48.5	362.3	1 276.3	1 346.9
1972	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	183.3	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	92.4	2 647.1	63.8	900.2	1 747.0	1 812.1
1981	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
		(105.1)[b]			(63.8)[b]	(66.5)[b]

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a Discrepancies are due to rounding.
b Imperial equivalent in trillions of cubic feet.
N/A Not available.

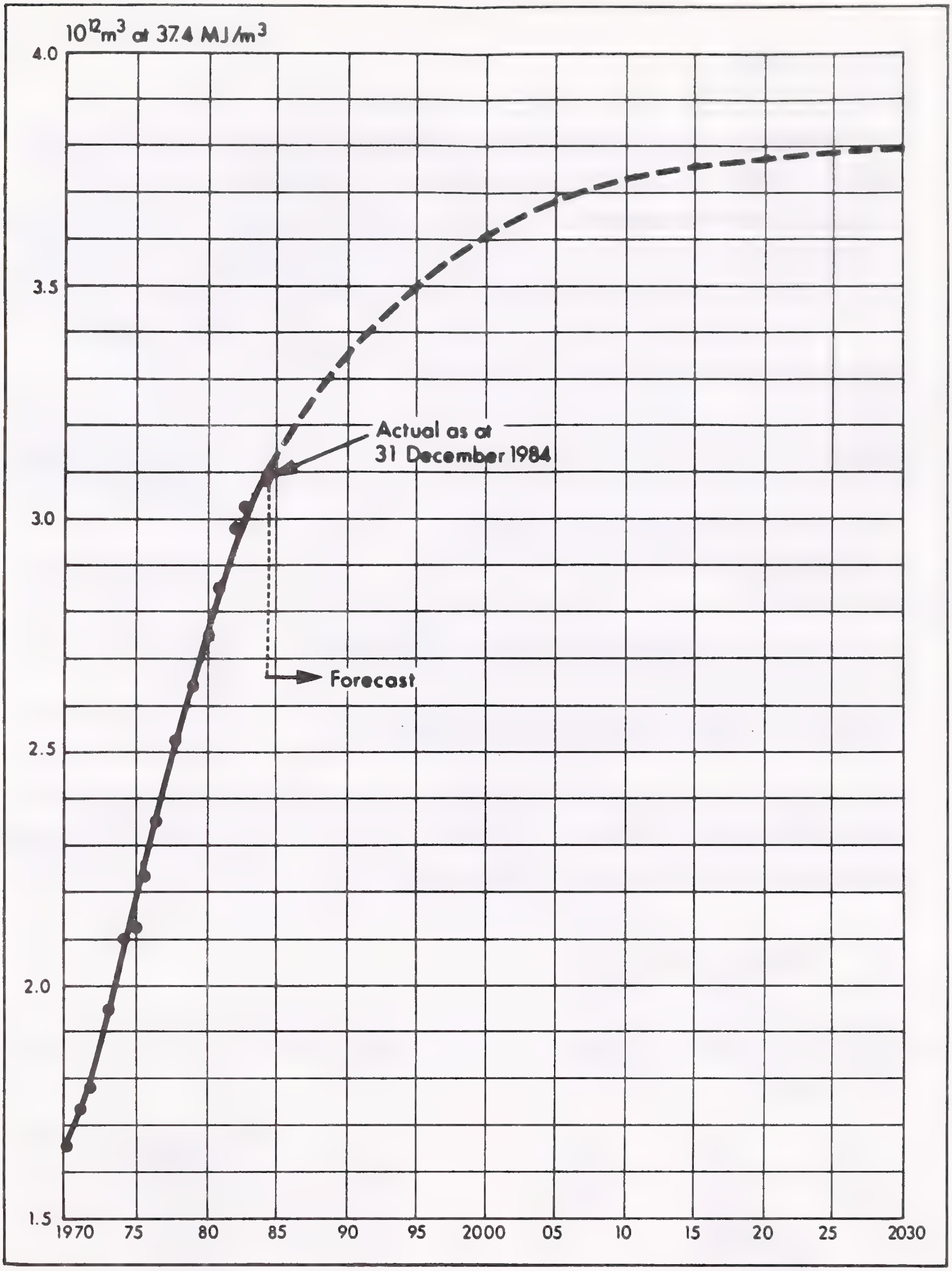

FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

8.4 ETHANE

As discussed in Section 5, the Board calculated the weighted average ethane content of the remaining established reserves of marketable gas to be 0.050 moles per mole, and applied this proportion to the estimated 717 billion cubic metres of marketable gas expected from future discoveries and growth of established reserves.

The estimated amount of ethane in the remaining ultimate potential for natural gas is tabulated below:

Category	Volume of Ethane 10^6 m^3
In Remaining Established Reserves of Marketable Gas	320
In Expected Marketable-gas Reserve Additions	127
Content of Ultimate Potential Remaining	447

The Board estimates that about 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 NATURAL GAS LIQUIDS

The Board's estimate of the ultimate potential for natural gas liquids are:

	10^6 m^3
Propane	257
Butanes	155
Pentanes Plus	320

The estimates for propane and butanes were derived by applying the ratios of 67.5 and 40.8 cubic metres per million cubic metres, respectively, to the Board's estimate of the ultimate potential of marketable gas (at 37.4 MJ/m^3). These ratios were determined by dividing the initial established reserves of propane and butanes by the initial established reserves of marketable gas, both at 31 December 1980.

The Board reviewed the ultimate potential of pentanes plus in 1980 and discussed its estimate in ERCB Report 81-B. As indicated, the estimate of ultimate potential is based on established reserves plus a combination of the Board's estimate of future gas potential and liquid recovery from this potential. Although the established reserves of pentanes plus were reduced in 1980 due to the adverse performance of some reservoirs, the Board continues to estimate the ultimate potential of pentanes plus to be some 320 million cubic metres.

The Board expects that pentanes plus additions will decline in accordance with the decline in natural gas reserves additions shown in Figure 8-2, and the decline in liquid-to-gas ratios. The Board thus expects the annual increase in pentanes plus reserves to average some 3 to 4 million cubic metres over the next 20 years. The relationship between the ultimate potential of natural gas liquids and the portion remaining to be recovered is illustrated below:

	Propane	Butanes	Pentanes Plus
	10^6 m^3		
Ultimate Potential	257	155	320
Cumulative Production to 1984	86	55	147
Ultimate Potential Remaining	171	100	173

8.6 SULPHUR

8.6.1 Sulphur from Gas

The Board determined in 1980 that recoverable sulphur in initial established reserves of marketable gas was 72.1 tonnes per million cubic metres at year-end. By applying this factor to the Board's estimate of the ultimate potential of marketable gas, 3800 billion cubic metres (at 37.4 MJ/m^3), the Board estimated the ultimate potential of sulphur from gas production to be some 274 million tonnes. The relationship between the ultimate potential of sulphur and the portion remaining to be recovered from Alberta's marketable natural gas is illustrated below:

	10^6 tonnes
Ultimate Potential of Sulphur	274
Cumulative Production to 1984	104
Ultimate Potential Remaining	170

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 1700 million tonnes at year-end in 1984. This estimate was derived by applying a recovery ratio of 37.4 tonnes of sulphur per thousand cubic metres of bitumen to the 1984 year-end ultimate potential of crude bitumen of some 46 billion cubic metres. The ratio reflects the recovery expected at future plants. Less than 3 million of the 1700 million tonnes expected have been produced to the 1984 year-end.

APPENDIX OIL AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil and marketable gas to year-end 1984.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

While only some 42 per cent of exploratory wells drilled in Alberta thus far have resulted in discoveries of oil or gas, a high proportion of development wells have been completed as oil or gas wells. A few unsuccessful development wells have been completed as water disposal and service wells.

During 1984, the overall exploratory and development drilling activity improved over that experienced during 1983. Modest gains occurred in the number of exploratory and development gas wells drilled while both exploratory and development drilling for crude oil, which includes oil sands wells, continued to show substantial increases over the 1983 record levels.

TABLE A-1 EXPLORATORY AND DEVELOPMENT WELLS
number drilled annually, 1951-1984

Year	1	2	3	4	5	6	7	8	9
	Exploratory			Development			Total		
	Successful		Total[a]	Successful		Total[a]	Successful		Total[a]
	Oil	Gas		Oil	Gas		Oil	Gas	
1951	68	94	461	691	21	777	759	115	1 238
1952	49	74	469	897	80	1 160	946	154	1 629
1953	47	89	399	838	106	1 162	885	195	1 561
1954	60	55	351	613	85	827	673	140	1 178
1955	45	70	346	1 100	68	1 281	1 145	138	1 627
1956	51	59	384	1 317	79	1 514	1 368	138	1 898
1957	56	52	428	818	73	1 020	874	125	1 448
1958	35	63	404	924	164	1 315	959	227	1 719
1959	43	78	432	834	164	1 170	877	242	1 602
1960	41	92	403	944	184	1 363	985	276	1 766
1961	42	113	423	741	231	1 188	783	344	1 611
1962	35	82	484	653	190	1 113	688	272	1 597
1963	65	89	502	803	186	1 255	868	275	1 757
1964	65	90	570	796	173	1 281	861	263	1 851
1965	76	85	705	843	155	1 366	919	240	2 071
1966	62	69	634	552	188	1 003	614	257	1 637
1967	135	84	693	506	190	953	641	274	1 646
1968	162	130	936	387	257	970	549	387	1 906
1969	138	122	972	324	311	901	462	433	1 872
1970	55	183	963	246	425	884	301	608	1 847
1971	93	202	940	269	489	1 085	362	691	2 025
1972	55	252	1 058	454	738	1 618	509	990	2 676
1973	101	413	1 543	480	961	1 970	581	1 374	3 513
1974	69	384	1 248	566	1 284	2 241	635	1 668	3 489
1975	67	428	1 238	597	1 443	2 408	664	1 871	3 646
1976	108	1 005	2 082	444	2 096	2 959	552	3 101	5 041
1977	172	1 011	2 317	530	1 941	2 813	702	2 952	5 130
1978	218	956	2 304	726	2 134	3 269	944	3 090	5 573
1979	266	825	1 888	984	2 352	3 892	1 250	3 177	5 780
1980	310	1 040	2 299	1 296	2 855	4 749	1 606	3 895	7 048
1981	318	883	2 008	1 107	2 173	3 833	1 425	3 056	5 841
1982	317	510	1 498	1 246	1 901	3 628	1 563	2 411	5 126
1983	335	255	1 177	1 907	836	3 189	2 242	1 091	4 366
1984	416	278	1 544	2 421	994	4 127	2 837	1 272	5 671

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a Includes unsuccessful, service, and suspended wells.

TABLE A-2

A somewhat better measure of exploratory and developmental activity is the distance drilled annually in each category. Since 1966, these data have been further categorized to show, also, the number of metres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

TABLE A-2 EXPLORATORY AND DEVELOPMENT WELLS DRILLED
kilometres drilled annually, 1951-1984

Year	1	2	3	4	5	6	7	8	9
	Exploratory			Development			Total		
	Successful		Total[a]	Successful		Total[a]	Successful		Total[a]
	Oil	Gas		Oil	Gas		Oil	Gas	
1951	*	*	694	*	*	1 001	*	*	1 696
1952	*	*	568	*	*	1 453	*	*	2 021
1953	*	*	564	*	*	1 394	*	*	1 958
1954	*	*	554	*	*	1 176	*	*	1 730
1955	*	*	601	*	*	1 972	*	*	2 574
1956	*	*	665	*	*	2 411	*	*	3 077
1957	*	*	724	*	*	1 553	*	*	278
1958	*	*	712	*	*	1 842	*	*	2 554
1959	*	*	725	*	*	1 969	*	*	2 694
1960	*	*	737	*	*	2 426	*	*	3 163
1961	*	*	724	*	*	2 385	*	*	3 109
1962	*	*	744	*	*	2 032	*	*	2 776
1963	*	*	723	*	*	2 266	*	*	2 989
1964	*	*	917	*	*	2 235	*	*	3 152
1965	*	*	1 038	*	*	2 142	*	*	3 180
1966	95	4	958	921	79	1 567	1 016	84	2 526
1967	208	95	996	748	219	1 420	957	314	2 416
1968	244	198	1 386	539	391	1 360	783	589	2 746
1969	206	164	1 410	464	408	1 254	670	572	2 667
1970	83	208	1 295	347	448	1 107	431	656	2 402
1971	126	218	1 227	352	406	1 219	477	624	2 446
1972	83	280	1 402	636	547	1 669	719	828	3 071
1973	112	404	1 650	692	800	2 204	805	1 204	3 854
1974	92	410	1 419	749	907	2 237	841	1 318	3 655
1975	87	423	1 309	714	1 159	2 340	801	1 582	3 649
1976	139	846	1 892	593	1 173	2 983	732	2 619	4 875
1977	178	1 016	2 288	720	1 624	2 961	897	2 640	5 250
1978	300	1 219	2 178	995	1 691	3 408	1 295	2 910	6 126
1979	450	1 256	2 771	1 452	1 936	4 141	1 902	3 192	6 912
1980	494	1 550	3 190	1 839	2 557	5 229	2 333	4 107	8 419
1981	473	1 202	2 686	1 401	1 934	4 084	1 874	3 136	6 770
1982	493	603	1 893	1 804	1 521	4 013	2 297	2 124	5 906
1983	472	338	1 517	2 482	896	4 136	2 954	1 234	5 652[b]
1984	515	362	1 831	3 192	999	5 397	3 707	1 361	7 229[b]

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a Includes unsuccessful, service, and suspended wells.
b Discrepancies are due to rounding.
* Not available.

TABLE A-3

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

The capable-oil-well count includes a number of shut-in wells that are contained in approved production spacing units and enhanced-recovery schemes. Some pools have been substantially depleted since the production spacing units were established, and many of the wells included would now produce little or no oil if placed back on production. The capable-well count may therefore imply a greater capability than actually exists.

The number of capped gas wells shown represents the cumulative total capped. Although the capped wells have not been completed, many could be capable of production on short notice. The main reason for capping is the limited market for gas but, in some cases, wells may be capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-3 COMPLETED AND CAPPED WELLS
cumulative totals, 1951-1984

Year	1	2	3	4	5
	Oil Wells Completed		Gas Wells Completed		Capped Gas Wells
	Capable[a]	Operated	Capable[a]	Operated	
1951	2 731	2 510	331	185	157
1952	3 661	3 312	362	245	259
1953	4 504	4 000	404	272	393
1954	5 063	4 583	470	314	491
1955	6 135	5 509	489	347	609
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793

---

[a] Excludes wells used for injection.

TABLE A-4

Table A-4 supplements Table 8-1 and subdivides the annual additions to established reserves of conventional crude oil into new discovery, enhanced recovery, and re-evaluation categories. The method of subdividing the reserves has varied somewhat over the years; hence, some minor differences in annual additions may result from the change in method.

The established reserves attributed to new discoveries are subject to significant adjustment as the result of delineation drilling and performance in subsequent years. The trend in such adjustments has varied over the years. In the 1950s, adjustments were largely additions, whereas in the 1960s and 1970s, when pinnacle reefs were a popular exploratory target, many adjustments were negative.

The enhanced-recovery programs for crude oil pools lead to positive increments initially, but adjustments may be necessary later when performance proves that the reserves assigned have been over- or under-estimated.

TABLE A-4 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL
1951-1984
millions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Enhanced Recovery	4 Total
1951	15.3	29.2		44.5
1952	14.0	48.5		62.5
1953	24.2	42.4		66.6
1954	1.9	53.7		55.6
1955	9.4	58.8		68.2
1956	3.5	78.5		82.0
1957	10.8	29.1		39.9
1958	1.3	-4.8	4.9	1.4
1959	14.3	37.2	16.0	67.5
1960	0.5	29.9	18.1	48.6
1961	1.7	31.5	24.5	57.5
1962	2.9	21.8	19.9	44.0
1963	14.6	12.6	29.2	56.6
1964	9.5	88.2	250.8	348.5
1965	28.6	42.6	-2.4	68.8
1966	89.1	13.5	38.3	140.8
1967	57.2	15.7	22.2	95.2
1968	62.0	14.8	42.9	119.8
1969	40.5	-44.5	58.5	54.5
1970	8.4	-7.6	36.1	36.7
1971	14.0	8.7	-0.8	22.1
1972	10.8	-5.6	14.8	20.0
1973	5.1	-6.0	10.2	9.2
1974	4.3	3.3	30.8	38.5
1975	1.6	2.1	3.3	7.0
1976	2.5	5.9	-27.0	-18.6
1977	4.8	5.1	9.2	19.1
1978	24.9	-1.9	1.4	24.4
1979	19.2	10.3	4.8	34.3
1980	9.0	5.1	8.6	22.7
1981	15.0	7.2	10.4	32.6
1982	16.8	-16.5	6.6	6.9
1983	21.4	24.8	17.9	64.1
1984	29.1	-12.0	24.1	41.2

TABLE A-5

Table A-5 shows annual changes to established marketable gas reserves. Reserves are continually reviewed and re-evaluated, principally on the basis of new data and performance.

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

TABLE A-5 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS 1951-1984
billions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Total
1951	6.2	55.0	61.2
1952	*	*	87.8
1953	*	*	76.1
1954	*	*	58.8
1955	*	*	59.3
1956	*	*	64.5
1957	*	*	64.9
1958	*	*	110.4
1959	*	*	88.5
1960	18.2	101.7	119.9
1961	9.6	3.7	13.3
1962	8.7	41.0	49.7
1963	3.1	32.7	35.8
1964	7.2	78.7	85.9
1965	11.3	78.4	89.7
1966	2.1	38.6	40.7
1967	24.3	49.6	73.9
1968	15.3	119.3	134.6
1969	18.6	68.9	87.5
1970	7.6	38.7	46.2
1971	4.8	40.6	45.4
1972	12.5	32.8	45.2
1973	7.8	175.6	183.4
1974	8.6	138.4	147.0
1975	0.8	20.0	20.8
1976	6.9	98.7	105.6
1977	6.6	120.9	127.6
1978	24.4	138.9	163.3
1979	16.4	106.8	123.2
1980	30.0	62.5	92.4[a]
1981	28.9	88.1	117.0
1982	10.6	108.1	118.7
1983	16.3	22.7	39.0
1984	9.6	30.9	40.5

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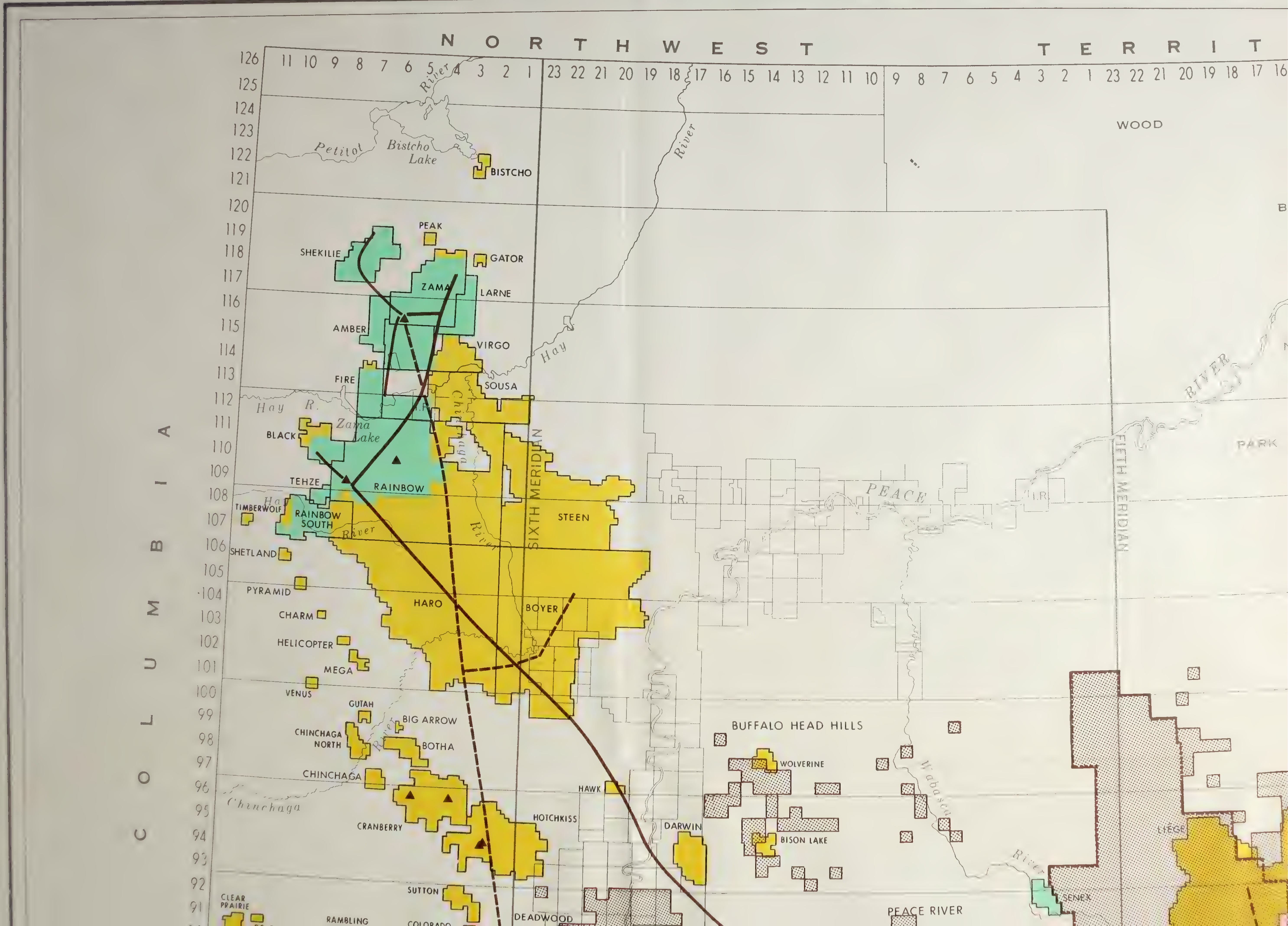
a Discrepancies are due to rounding.
* Not available.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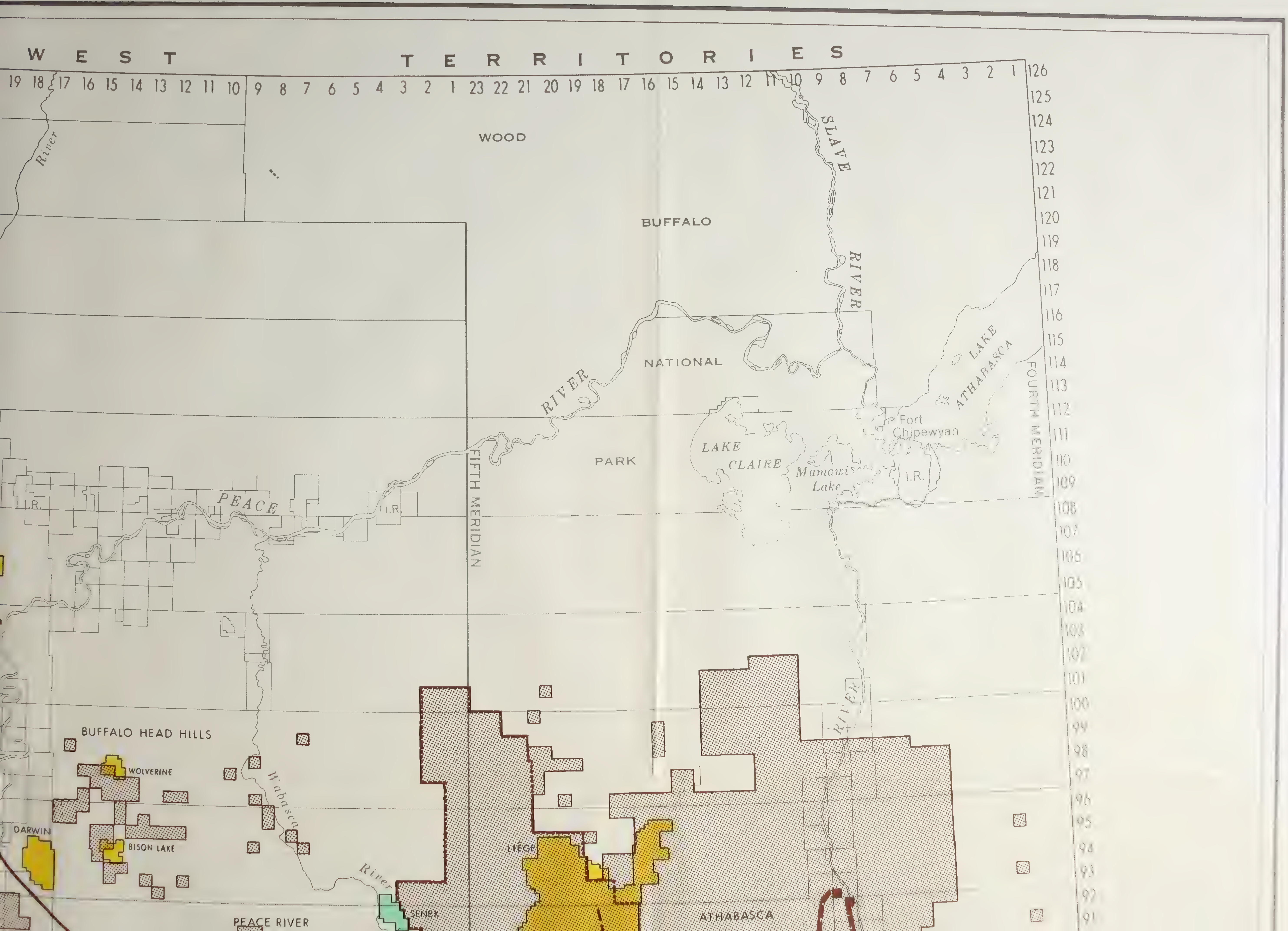
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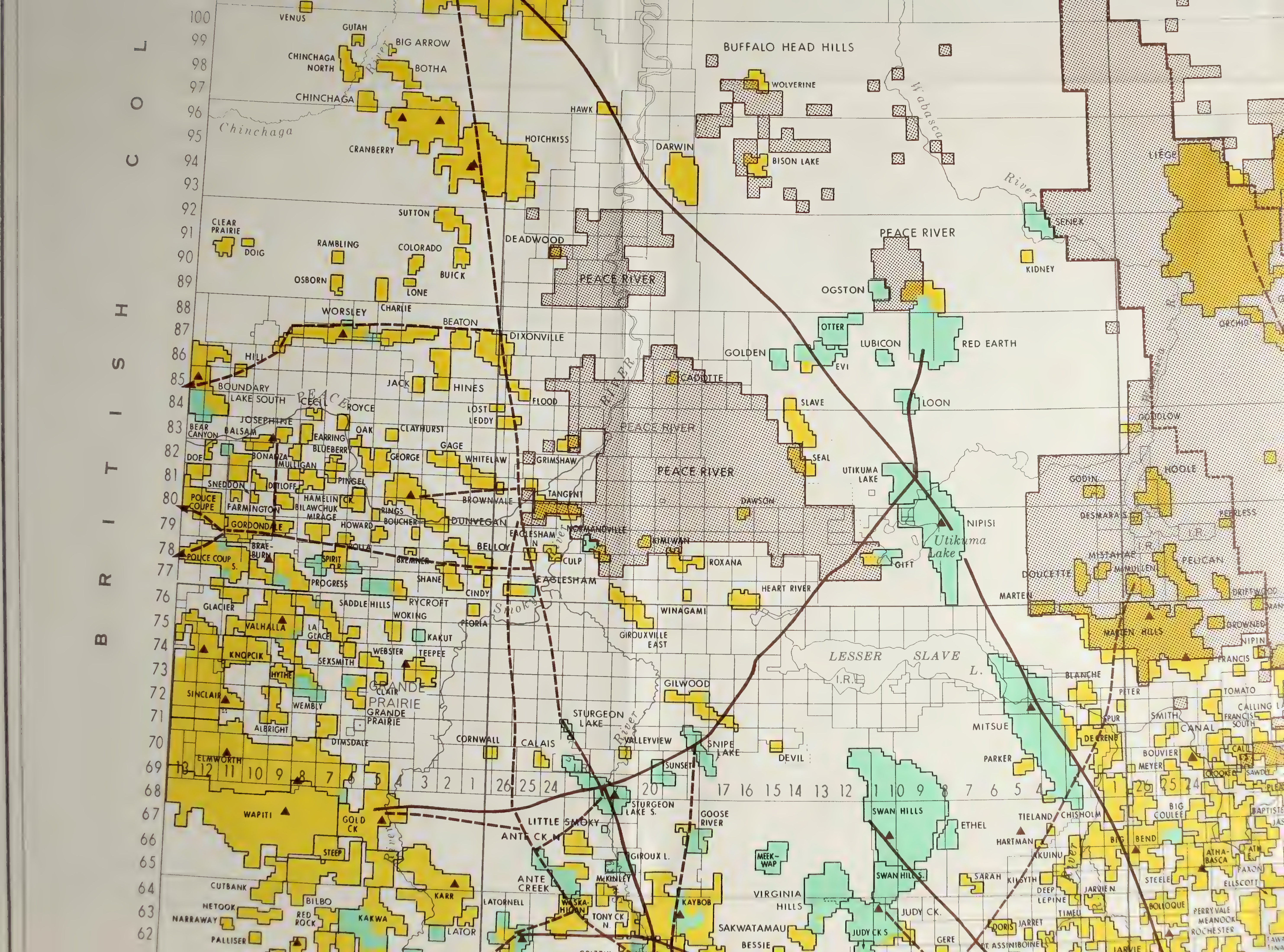
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WORSLEY
BEATON
DIXONVILLE
OTTER
LUBICON
RED EARTH
ORCHID
EVI
GOLDEN
HILL
JACK
HINES
CADOTTE
BOUNDARY LAKE SOUTH
CECIL
PEACE
ROYCE
LOST
LEDDY
FLOOD
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LOON
SLAVE
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BALSAM
JOSEPHINE
EARRING
OAK
CLAYHURST
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GAGE
DOE
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MULLIGAN
GEORGE
WHITELAW
GRIMSHAW
SEAL
UTIKUMA LAKE
HOOLE
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PINGEL
HAMELIN CK.
BILAWCHUK
MIRAGE
BROWNVALE
TANGENT
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NIPISI
DESMARAIS
PEERLESS
POUCE COUPE
FARMINGTON
RINGS
BOUCHER
DUNVEGAN
GORDONDALE
HOWARD
EAGLESHAM N.
NORMANDVILLE
KIMIWAN
Utikuma Lake
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BRAEBURN
BELLOY
POUCE COUP S.
SPIRIT R.
BREMNER
CULP
ROXANA
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MISTAHAE
MCMULLEN
PELICAN
DOUCETTE
SHANE
EAGLESHAM
PROGRESS
HEART RIVER
MARTEN
DRIFTWOOD
CINDY
GLACIER
RYCROFT
SADDLE HILLS
Smoky
WINAGAMI
MARTEN HILLS
WOKING
VALHALLA
PEORIA
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KAKUT
GIROUXVILLE EAST
KNOPCIK
WEBSTER
TEEPEE
SEXSMITH
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HYTHE
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CLAIR
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PETER
SINCLAIR
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SPUR
SMITH
FRANCIS SOUTH
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CANAL
DIMSDALE
CORNWALL
CALAIS
River
VALLEYVIEW
SNIPE LAKE
MITSUE
DE CRENE
BOUVIER
ELMWORTH
SUNSET
DEVIL
PARKER
MEYER
CROOKED
SAWDY
STURGEON LAKE S.
WAPITI
GOLD CK.
LITTLE SMOKY
GOOSE RIVER
SWAN HILLS
ETHEL
TIELAND
CHISHOLM
BIG COULEE
BAPTISTE
ANTE CK N.
HARTMAN
BIG BEND
River
STEEP
GIROUX L.
MEEKWAP
KAKINU
ATHABASCA
ATM
PAXON
ANTE CREEK
CUTBANK
KARR
MCKINLEY
SWAN HILLS S.
SARAH
KILSYTH
STEELE
ELLSCOTT
DEEP LEPINE
JARVIE N.
BILBO
LATORNELL
WASKAHIGAN
KAYBOB
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TIMEU
BOLLOQUE
PERRYVALE
MEANOOK
NETOOK
RED ROCK
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TONY CK. N.
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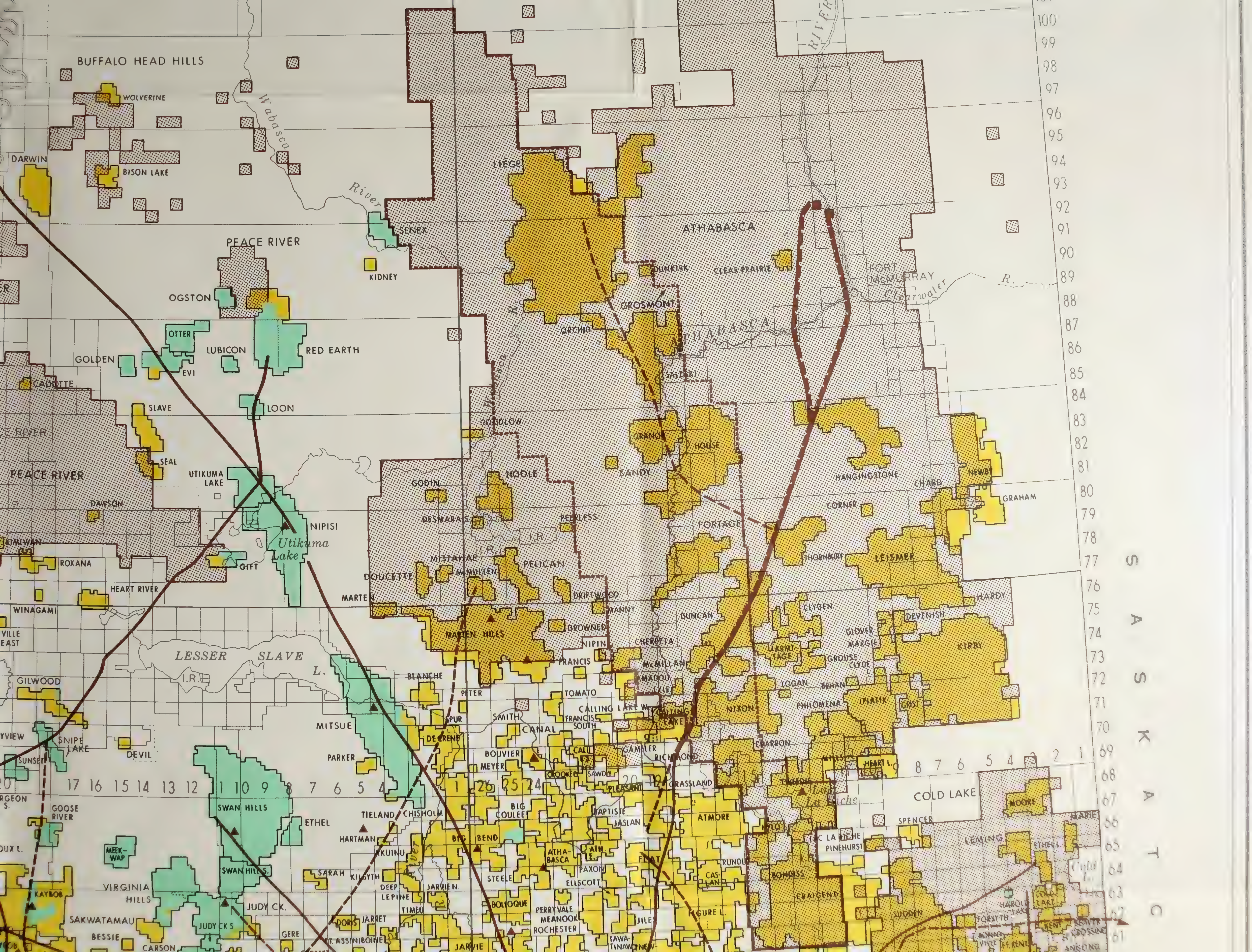
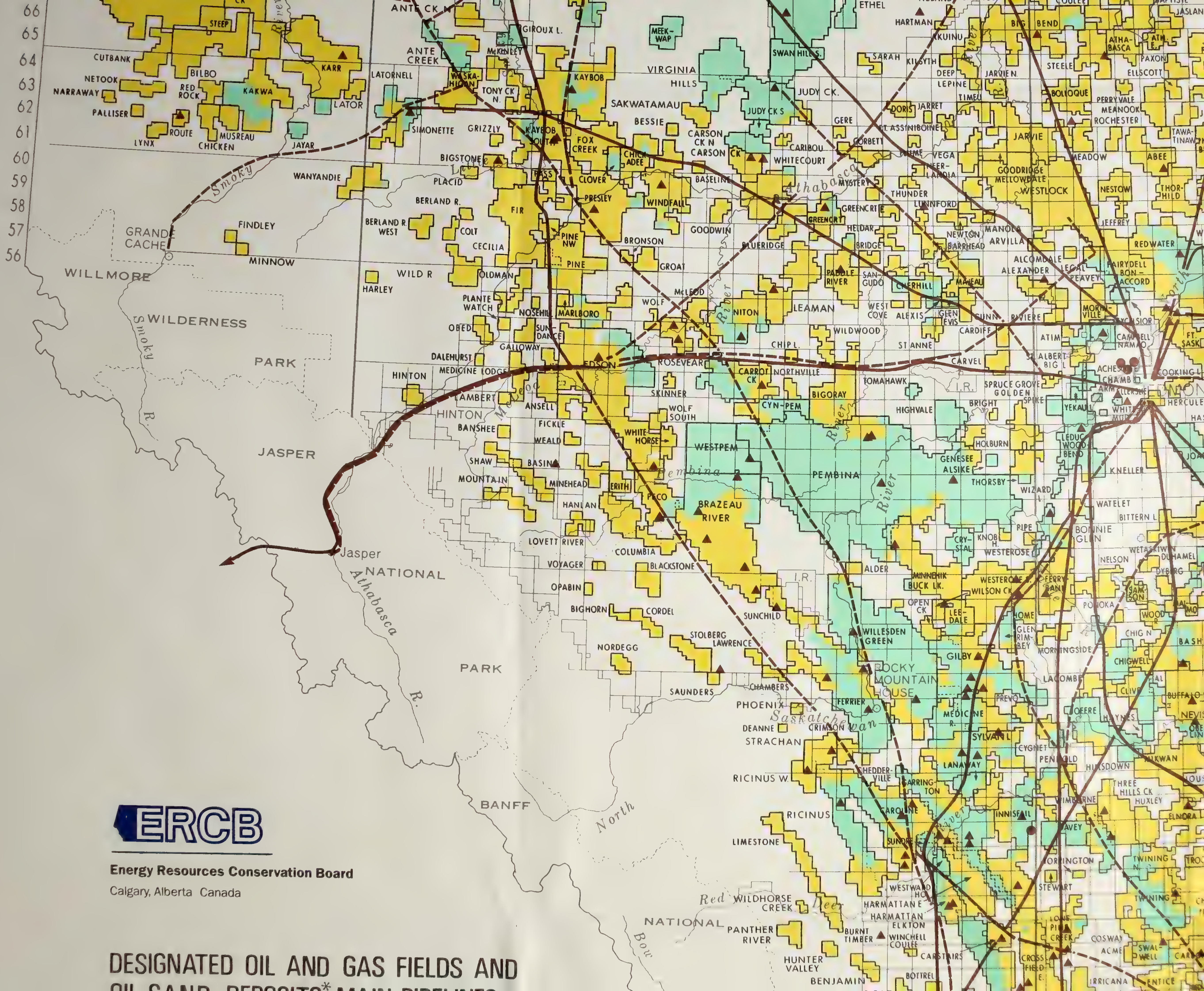
ASSINIBOINE
JARVIE



BUFFALO HEAD HILLS
WOLVERINE
DARWIN
BISON LAKE
Wabasca
River
PEACE RIVER
SENEX
KIDNEY
OGSTON
OTTER
LUBICON
RED EARTH
GOLDEN
EVI
CADOTTE
SLAVE
LOON
CE RIVER
PEACE RIVER
SEAL
UTIKUMA LAKE
DAWSON
NIPISI
Utikuma Lake
KIMIWAN
ROXANA
GIFT
HEART RIVER
WINAGAMI
VILLE EAST
LESSER SLAVE L.
I.R.
GILWOOD
SNIPE LAKE
YVIEW
SUNSET
DEVIL
MITSUE
PARKER
20
17 16 15 14 13 12 11 10 9 8 7 6 5 4
RGEON S.
GOOSE RIVER
SWAN HILLS
ETHEL
OUX L.
MEEKWAP
SWAN HILLS
VIRGINIA HILLS
KAYBOB
SAKWATAMAU
BESSIE
CARSON
JUDY CK.
JUDY CKS
GERE
SARAH
KILSYTH
DEEP LEPINE
TIMEU
DORIS
JARRET
ST. ASSINIBOINE
TIELAND
CHISHOLM
HARTMAN
KUINU
River
JARVIE N.
JARVIE
LIÉGE
ATHABASCA
DUNKIRK
CLEAR PRAIRIE
FORT McMURRAY
Clearwater
R.
GROSMONT
ORCHID
ATHABASCA
SALESKI
GORDLOW
GRAND
HOUSE
SANDY
HOOLE
GODIN
DESMARAIS
PEERLESS
I.R.
MISTAHAE
McMULLEN
PELICAN
DOUCETTE
MARTEN
DRIFTWOOD
MARTEN HILLS
MANNY
DROWNED
NIPIN
FRANCIS
BLANCHE
PETER
SPUR
DECRENE
SMITH
CANAL
TOMATO
CALLING LAKE W.
FRANCIS SOUTH
CALLING LAKE
CHERPETA
McMILLAN
MADOU
LYLE
DUNCAN
PORTAGE
HANGINGSTONE
CHARD
NEWBY
GRAHAM
CORNER
THORNBURY
LEISMER
HARDY
CLYDEN
DEVENISH
GLOVER
MARGIE
ARMITAGE
GROUSE
CLYDE
KIRBY
LOGAN
BEHAN
PHILOMENA
IPIATIK
CRIST
NIXON
CHARBON
BOUVIER
MEYER
CALL
CROOKED
SAWDY
CAMBLER
RICHMOND
PLEASANT
GRASSLAND
BIG COULEE
BAPTISTE
JASLAN
ATMORE
BIG BEND
ATHABASCA
ATH. E.
PAXON
ELLSCOTT
FLAT
STEELE
BOLLOQUE
PERRYVALE
MEANOOK
ROCHESTER
JILES
CASLAN
RUNDLE
FIGURE L.
TAWATINAW
HEART L.
Lac La Biche
PRIMROSE
NORTH
LAC LA BICHE
PINEHURST
BONNYVILLE
CRAIGEND
SUDDEN
COLD LAKE
SPENCER
MOORE
MARIE
LEMING
ETHEL
Cold Lake
FORSYTH
BEAVER CROSSING
ST. RENE
ANGLING
26 25 24
20 19
9 8 7 6 5 4 3 2 1
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61
S A S K A T C

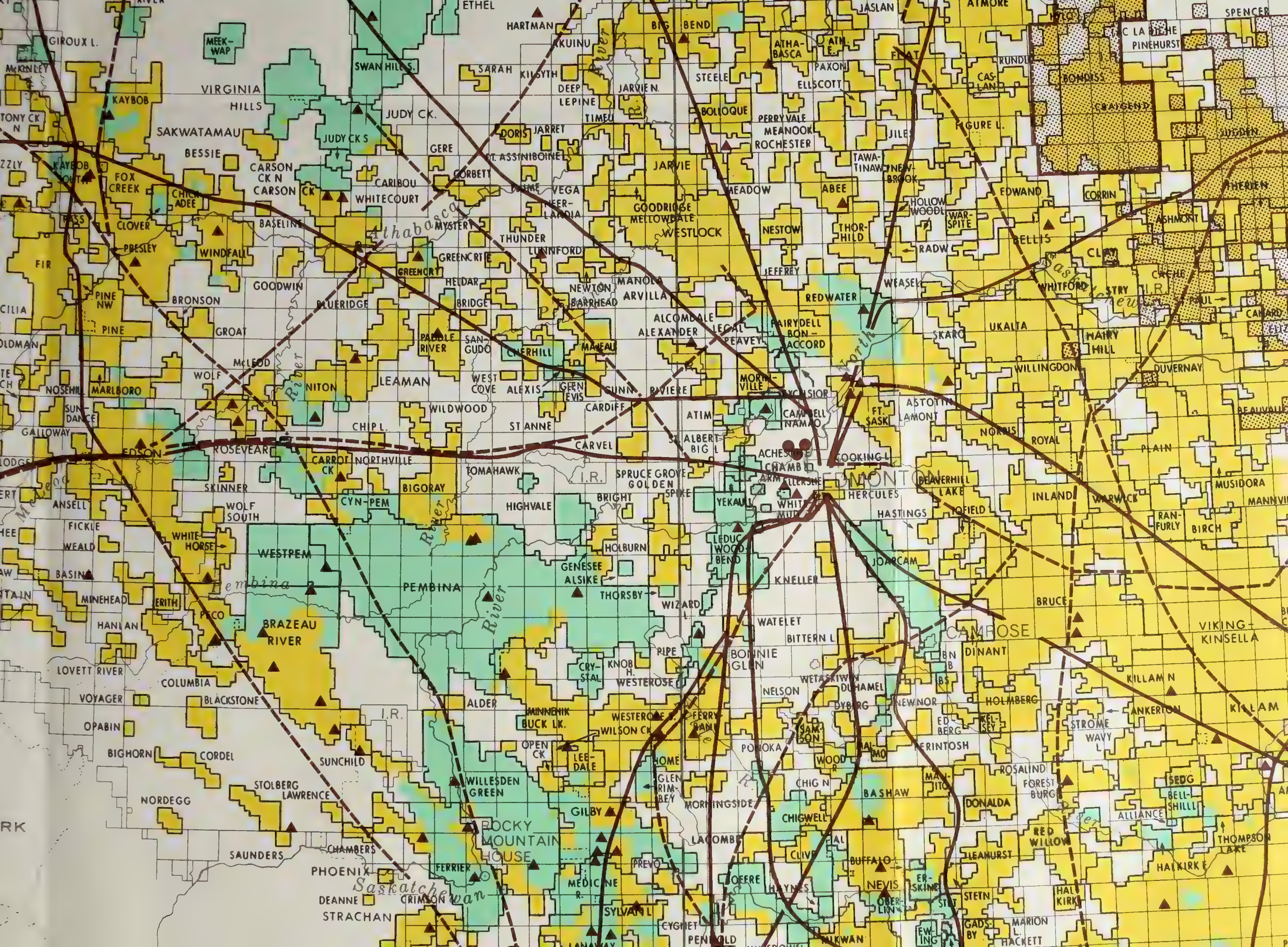


ERCB

Energy Resources Conservation Board

Calgary, Alberta Canada

DESIGNATED OIL AND GAS FIELDS AND OIL SAND DEPOSITS* MAIN PIPELINES


ETHEL
HARTMAN
JASLAN
ATMORE
SPENCER
GIROUX L.
MEEK-WAP
SWAN HILLS S.
BIG BEND
ATHA-BASCA
ATH. E.
LAC LA BICHE
PINEHURST
McKINLEY
SARAH
KILSYTH
KUINU
PAXON
RUNDLE
BONDISS
VIRGINIA HILLS
DEEP
JARVIE N.
STEELE
ELLSCOTT
CAS-LAN
CRAIGEND
KAYBOB
LEPINE
TIMEU
BOLLOQUE
PERRYVALE
MEANOOK
ROCHESTER
JUDY CK.
TONY CK N
SAKWATAMAU
JUDY CK S
DORIS
JARRET
JILES
FIGURE L.
SUDDEN
GERE
FT. ASSINIBOINE
TAWA-TINAW
NEW-BROOK
BESSIE
CARSON CK N
CARSON CK
CORBETT
JARVIE
KAYBOB SOUTH
FOX CREEK
CHICK-ADEE
CARIBOU
WHITECOURT
VEGA
MEADOW
ABEE
EDWAND
CORRIN
THERIEN
NEERLANDIA
GOODRIDGE
MELLOWDALE
HOLLOW WOOD
ASHMONT
CLOVER
BASELINE
Athabasca
MYSTERY
WESTLOCK
NESTOW
THOR-HILD
WAR-SPITE
BELLIS
FIR
PRESLEY
WINDFALL
THUNDER
LUNNFORD
RADW
CLEAR
GREENCRT
GREEN CRT E
JEFFREY
WEASEL
WHITFORD
CACHE
GOODWIN
HELDAR
NEWTON
BARRHEAD
MANOLA
ARVILLA
STRY
I.R.
PAUL
PINE NW
BRONSON
BLUERIDGE
BRIDGE
REDWATER
Saskatchewan
CILIA
PINE
GROAT
PADDLE RIVER
SAN-GUDO
CHERHILL
MAYEAU
ALCOMDALE
ALEXANDER
LEGAL
PEAVEY
FAIRYDELL
BON-ACCORD
North
SKARO
UKALTA
HAIRY HILL
CAMARO
OLDMAN
McLEOD
WOLF
NITON
LEAMAN
WEST COVE
ALEXIS
GLEN EVIS
GUNN
RIVIERE
MORIN-VILLE
EXCELSIOR
WILLINGDON
DUVERNAY
NOSEHILL
MARLBORO
River
WILDWOOD
CARDIFF
ATIM
CAMPBELL
NAMAO
FT. SASK
ASTOTIN
LAMONT
BEAUVALLON
SUN-DANCE
GALLOWAY
CHIP L.
ST ANNE
CARVEL
ST. ALBERT
BIG L
NORRIS
ROYAL
PLAIN
EDSON
ROSEVEAR
CARROT CK
NORTHVILLE
ACHESON
CHAMB
COOKING L
LODGE
McLeod
TOMAHAWK
I.R.
SPRUCE GROVE
GOLDEN SPIKE
ARM
ELLERSLIE
EDMONTON
HERCULES
BEAVERHILL LAKE
INLAND
WARWICK
MUSIDORA
MANNVILLE
SKINNER
BIGORAY
ANSELL
WOLF SOUTH
CYN-PEM
HIGHVALE
BRIGHT
YEKAU
WHITE MUD
HASTINGS
JOFIELD
RAN-FURLY
BIRCH
FICKLE
WEALD
WHITE-HORSE
River
HOLBURN
LEDUC WOODBEND
JOARCAM
WESTPEM
GENESEE
ALSIKE
BASING
Pembina
PEMBINA
THORSBY
KNELLER
MINEHEAD
ERITH
WIZARD L.
BRUCE
River
PECO
BRAZEAU RIVER
WATELET
BITTERN L
CAMROSE
VIKING-KINSELLA
HANLAN
LOVETT RIVER
COLUMBIA
PIPE
BONNIE GLEN
BN B
DINANT
CRY-STAL
KNOB H.
WESTEROSE
KILLAM N
VOYAGER
BLACKSTONE
ALDER
NELSON
WETASKIWIN
DUHAMEL
BS
HOLMBERG
ANKERTON
KILLAM
OPABIN
I.R.
MINNEHIK BUCK LK.
WESTEROSE S.
FERRY BANK
DYBERG
NEWNOR
ED BERG
KEL-SEY
STROME
WAVY L
BIGHORN
CORDEL
SUNCHILD
WILSON CK
SAM-SON
PONOKA
WOOD R
RAIMO
FERINTOSH
OPEN CK
LEE-DALE
HOME
ROSALIND
FOREST BURG
SEDG
NORDEGG
STOLBERG
LAWRENCE
WILLESDEN GREEN
GLEN-RIM-BEY
MORNINGSIDE
CHIG N
BASHAW
MA-NITO
DONALDA
BELL-SHILL
ALLIANCE
RK
GILBY
CHIGWELL
RED WILLOW
Battle
THOMPSON LAKE
SAUNDERS
CHAMBERS
ROCKY MOUNTAIN HOUSE
LACOMBE
AL
LEAHURST
PHOENIX
FERRIER
PREVO
CLIVE
BUFFALO L
HALKIRK E
Saskatchewan
MEDICINE R.
JOFFRE
HAYNES
NEVIS
ER-SKINE
STETTLER
HAL-KIRK
DEANNE
CRIMSON
SYLVAN L
OBER-LIN
STEIN
STRACHAN
CYGNET
PENHOLD
EW-ING
GADSBY
MARION
HACKETT
LANAWAY

ERCB

Energy Resources Conservation Board
Calgary, Alberta Canada

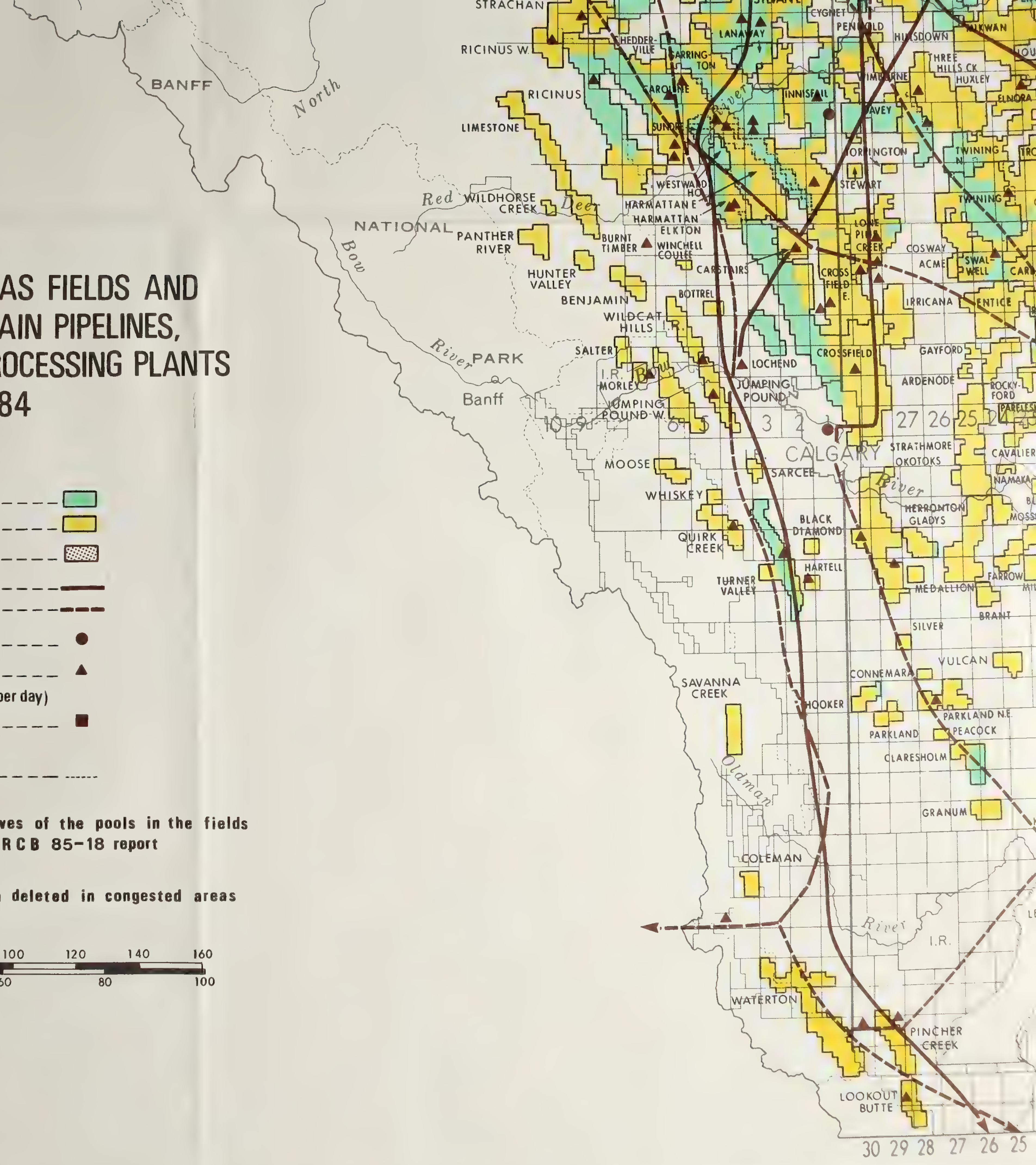
DESIGNATED OIL AND GAS FIELDS AND OIL SAND DEPOSITS,* MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS AS AT 31 DECEMBER 1984 ALBERTA, CANADA

Field	- mainly oil	🟩
	- mainly gas	🟨
Deposit	- oil sands	▨
Pipeline	- oil	━━
	- gas	━ ━ ━
Oil refinery		●
Gas processing plant (capacity in excess of 0.5 million cubic metres per day)		▲
Oil sands processing plant		■
Boundaries of national parks and forestry reserves		······

*The Board's estimates of the reserves of the pools in the fields and deposits are published in the ERCB 85-18 report

Note: Certain information has been deleted in congested areas

Kilometres
0 20 40 60 80 100 120 140 160
0 20 40 60 80 100
Miles



AND

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the fields

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